<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2521

agcttcttgt caattcctca gcaataatta aatagggtat ccacttctaa tagcatcctc 60

cagtatgttg ataagatccc ttgcattggt tatctttgtt gcaactaaca gcaactgcat 120

aacataccat gtanagttat aattaaatat gaaggatgtt aaaaaataat aacaagttac 180

agggaaaaca gacaaatgtc acaccttaca gttctcatat ccaacgcgca tcttctcact 240

gtcagtaaca aagtatggag aaatataacc acggtcaaat tgcatcccct cgacaacata 300

tagactgtta tcagcactct taccntcctc aagggtcaca acacccttтc taccaactct 360

gctcaatgct tcagctatca ta 382

<210> 2522
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2522

acaacacttc tcatggcacg agtgtcaaca tgcactntat aaaataatca tattggggtc 60

gtgcctattt atgacacata cgtatttgca cacataaaaa ttttgtgtga agcattttac 120

gacacctatc catgtacata ttttttgaca naccttttca tgctacatcc tatatatata 180

cacacacatc tttttggaag gcttcttttg ttacctactc acaaatacac atnatttgaa 240

aaacactttt acgctaccca tccaacactt tgtangcact tcatgcatat atattcacat 300

atgcaaggca tntattcaac tntctgcaag gcatttattt caccatttgc acggcatttc 360

atgctatata tatttacata tatacata 388

<210> 2523
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2523

agctntaaga gaagttgcaa gagaaaagac ttattctctc aatgtggttg aaactggact 60

cattgtatat gacaaagtcc cttgcaaatc ggctatgctt gaagcaacaa ctgcaccttc 120

aagatagcag agtcaagaac agccactgaa caattggctg atttcaacaa gattcttaat 180

ganttggaaa atattgaagt aaagcttgaa gaagaggata aagctctctt gcttctgaat 240

tccttaccaa aatcctttga acatttcaag gatgcaattc tttatggcaa agatcaagac 300

attaccctag aagaagtcca gacctcaata aggaccaagg agatgcaaaa acggcaagac 360

tccaaatctg aggataatgg tgaaagcctg aatatttc 398

<210> 2524
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2524

caataacttc tgaatcggat gtccgattgt ttccttttga tatcgagacg ctcgtaattg 60

aaaacggaag ctctaagana agtcaaacga caataacttc taacttggat gtccgattgc 120

gccctgtaat atatcgagac gcttgaaatt gaaaactgaa gctctaagaa aagtcaaacg 180

acaataactt ttaactcgga tgtcctattg agccccgtca gatatcgaga cgctcgaaat 240

tgaaaacgga agctctaaga aaagttcaac tacaataact cttaactcgg atgttcgatt 300

gagtcctcgt atatatcgag acgctcgtaa ttgaaaactg aagctctgag caaatcaaac 360

gacaataact tctgactccg atgtccg 387

<210> 2525
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2525

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atctttgatt cgataggaaa tgacttgcag aatccagtca tgacatatcc atggttcgga 120

attaggatga aacacttacc tgtgtgagag tgatacactt tgagtgattc tctcttattt 180

tgttggaccc aatgtttcct ctacatggtc ggttagaaac gaaacgctaa catccaaaat 240

ctcatttatg gttatgtgaa aatntcatca gcatactctc ctttccaata acacattgtt 300

ttcatcaaca atatatgttg tttgatcagt agagg 335

<210> 2526
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2526

agctngaagg tttgtacatg acctaatctt tagttaatcg ncnnnaccta aagcagtctt 60

tgtattcgtt tataatgcat gaagatagat cagtcggaga acaattggat ttgtttaata 120

aactgattct agatcttgaa aatatcgatg tcactattga tgatgaggat caaactctgt 180

tattgttgtg ctctttgcct aagagttact ctcatttcaa agagacttta ttgtttggaa 240

gaaactctgt ttctcttgat gaagagcacg ctgctctgaa ttcaaaggaa ttgaatga 298

<210> 2527
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2527

agcttgaaat tgaacaaagg aagctctcga gaaattcaaa tggtcataac ttatcacacg 60

gaagtccgat tcaagagcat actatgtgaa gatgctcgaa attgaacaac gaaagctctc 120

gagaaattca aatggtcata acttgccaca cggaagtccg attcagacgc ataatatacc 180

gagacgctcg aaattgaaca atgaaagctc tcaacaaatt caaatggtca aaacttgtga 240

cacagaagtc cgattcaggc gcataatata tcgagaagct tgaaattgaa caacggaggc 300

tctcgagaaa ttcanatggt cataaagtgt cacacggaag tccgattccg ggggatagta 360

tatcgagaag gtcaaaattg aacaacggaa gctctcgaga aattcanatg gtcataactt 420

ttaaacggta gtccgattaa ggtgcataat aaatcgagaa g 461

<210> 2528
<211> 450
<212> DNA
<213> Glycine max

<400> 2528

actaagcttc aagaaaagat ggcctcagca aattcctcgt ttccttaatg ttaatttata 60

aatagacctc caatctctaa tggagagggt taccactact ggacaacccg aatgcaaata 120

tttattgagg caatagatct aaatatctgg gaagccatct gaatatggcc ttatataccc 180

accacagtag aaagagttgc aatagatgag agcttatcaa gtgaaagcat aaccatagca 240

aaacctatag atagatggtc tgaagaggat agaaaacatg tacaatacaa ccgtaaagcc 300

agaaacatag taacatctgc cctaggaatg gacgaatatt tcagagtctc aaattgcacg 360

agtgctcaag aaatgtggga cactcttcag atatcacatg aaggaactac agatggtcca 420

agacctacga taaatgcact aactcatgag 450

<210> 2529
<211> 289
<212> DNA
<213> Glycine max

<400> 2529

tctatcatat ctaataattg gcacatttat gtctaattgc ccttttactt cattgtagta 60

aatttctaag gcatccattg cctaagaaat ctcgggcagt aagtagacat aactgtaacg 120

tgaataatca tcaataatgg tgataaagta tcattgcttt ctgagagaac taacatcaaa 180

aggtccacaa atatcagtat acacaatttc aagaagctga gtgcttctct gagctccttc 240

ctttgcatgt cttgtctgct ttcctctaat acaacgcaca caaatattt 289

<210> 2530
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2530

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ccatgtcaca gcattaacat cagtttgacc cacattagat ntccagctcc cgtctttatt 120

cacagccata taagttaaag atgttcgatc cttgcattta tcaacaagtg catccagctt 180

ttccttagag cagaagaact ctacatatgc cttctggtaa acatacccgc ctggtccacc 240

ccagcctagg ccaaatttca aacaaaaatg aattagtgta tctcatatcc accaaccaat 300

atggacaaga tatgaatacc ctcagtcaca aattgcaccc ttttgagtac ctttcaatct 360

tcattatttg ttntacaaga aaatatnagt aatataaagt ggtacagcca cacatctcac 420

tcaatactag t 431

<210> 2531
<211> 385
<212> DNA
<213> Glycine max

<400> 2531

acgcatctta agcacctgca gctgcagctt cacttcccct atatggatgg ttgatcgtta 60

tatagatttg tacgcgtcca gtctagtctc tctaagccct gaaaccgtaa ctatggctat 120

gttctgagat tcgtcttttc tgttgttcaa agatctctcc gattcctttt ctttcgaagt 180

ggcattgccc aaagtcgaat caaaggcttg acagggtctt cttagcccat gctaactaga 240

atagttagta gcttatagga tcccaaagca ataaccacag atggaggagc attcgtcttt 300

ttaaccagtt ttcaaaaacc aagatatcct gcctatcccg aaaaacggac tccctcaaaa 360

caaaaagtag cttcatagca agagt 385

<210> 2532
<211> 201
<212> DNA
<213> Glycine max

<400> 2532

ctggaagatg acatgccttt ccatagacta cccaataagg agacattcct atgggtgctt 60

tgtatgcagt ccgatgtgcc cagagagcat catcaagcct ggtactccaa tctttcctgc 120

ttggctgcac aatcttctct aaaattctct tgatttcccg gttagaaatt tctgcctgcc 180

cattggtctg ggggtggtat g 201

<210> 2533
<211> 426
<212> DNA
<213> Glycine max

<400> 2533

gctgtagggt taagtctcac gattgtcatg tgctcatgca acaattgtta gccgttgcta 60

tacgagacat cttgccaaac aaagtcaggt tagccataac tcgtatgtgc tttttcttcc 120

atgctatatg tagcaaagtc attgatcctg tcatgtttga tgagctggaa aatgaggccg 180

caattatact gtgtcagttg gagatgtatt ttccccctgc tttctttgac atcatgattc 240

acttgattgt gcatctggtc aaaaaaatca aatgttgtgg tcctgtttat ctacggtgga 300

tgtacccggt tgagcgatac atgaagatct taaaagggta tacaaagaat ctatatcgtt 360

cacaagaatc tattgttgag aggtacattg cagaagaagc cattgaaata tgttcataat 420

acattg 426

<210> 2534
<211> 364
<212> DNA
<213> Glycine max

<400> 2534

attatttgta tgggttgaat gttgaattct ggttgttcct ggtgcggaga tgatggtaca 60

gccggtgaac cagaagctgc agtttctttt ggtgaggtag ccatggaaaa acagagcgtt 120

tggaacgatt tcgtaaatct cggaaaacta ttgggaaatg ctggtaaaaa cacgaatgcc 180

aagcagatat aaatttgaat gaagaatgta gagaggcgtg tgaagcaacg gtcgaatttg 240

ctttgtggtg aacgtgctat taatgttaag tgattcgttt gggcacgttc agattgcagt 300

agctgctata attcctctag cagacaaatg cccagcttgc ccctcagttt ttcaaactga 360

tttg 364

<210> 2535
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2535

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tattgagtat ttaaggttta gggtttatgg tatttgacaa attatgattt tttgttacat 120

cccaaattac caaataaggg tatttgacta gtaagggttt acggatactt gacaaattac 180

ggttacttga ctaagtaagg tttacgggta tttgaaaaaa ttaggggttt atggttaatt 240

gacaaatcgg ggcttatgtg tatttaacta attacggtta cttgaccaat taaggcgtta 300

gggttacttt acaaatactg ngttaggggt atttgactaa taacggttaa tgggtagttg 360

agtaattatg gtttattgtt acttgaccaa ttaacgctta ggattatttg actaa 415

<210> 2536
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2536

cctatagaag gttcgttcct aatttctcta caattgcatc acctctcaat gagctggtga 60

agaagaatgt ggcatttacc tgtggtgaaa aacaagagca agcctttgct ttgctcaaag 120

aaaagcttac taaggcacct attctagctc ttcctgactt ttctaaaact tttgagctag 180

aatgtgatgc ctctagagtg ggagttggag ttgtattgtt acaaggtggg caccctattg 240

cttattttag tgaaaaactt catagtgcca cccttaacag gggggttcat agaactacca 300

agaagtcccc ttttgaggtt gtctatgggt tcaatccctt aacaccgtta gacctcantt 360

ccctccacta gacacttctt tatacataaa g 391

<210> 2537
<211> 297
<212> DNA
<213> Glycine max

<400> 2537

tttcgagcat ctcgatatat gacaggactc aatcagacat ccgagttaaa agttattggc 60

gtctgaattg gctcagagct tcaacattca atttcgagcg tctcgatata tgacgggact 120

caatcagaca tccgagtaaa aagctattgt cgcttgaatt tgctcagagc ttcaacattc 180

aatttcgagc gtctccatat gtgaccggac tcaatcagac atccgagtaa aaagatattg 240

tcgtttgaat ttgctcaaag catcaacatt caatttcgag cgtctcgata tattacg 297

<210> 2538
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2538

gcttgagcaa attcaaacga caataacctt ttactcggat gtcntgatga gtcccgtaat 60

atatcgagac gctcgaaatt gaatgttgaa gctcttagtc aattcatacg acacataact 120

tttactcgga tgtctgattg agtcccgtca tatattgaga cgcttgaaat tgaatgttga 180

agctctgagc caattcaaac gacaataact ttttacttgg atgtctgatt gagtgccgta 240

catatcgaga cgctcgacat tgaatgttga agctctgagc caattcatac gacaataacc 300

ttttacttgg atgtctgatc gagttccgta acattttgag ctcttcgaat tgaatggtga 360

agcttt 366

<210> 2539
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2539

cgcttctaca tctttggcaa ggcatgtcat cttcctgtat agagcacana gcctactgng 60

ctgtaaagac ttgcaacttc tctatggacc aagctagaga agaaaggaag ttgcaactaa 120

gtgagctaga tgagatccgt ttagaagcct atgagaattc caaattctac aaggagaaga 180

caaggaagtt ccatgacaga ttcatagcta agaaggactc tgtggttgga caaaaagttn 240

tattgtataa ctctatgctc ggactcatga gtggtaagtt aaggtcaaag tggattggtc 300

cttttgtggt gactaatgtt tttccttatg gtacagctga gatcaaaagt gaatccacag 360

at 362

<210> 2540
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2540

agcttcaaga attatggcct catcaaacta cttgtttccc gagggaaatt ctataaatag 60

acctcccatc tttaatggag tgggttacca ctactggaaa acccgcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180

aatagctgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240

attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gaatagatga 300

atactttagg gtttcaaatt gtaaaagtgc taaggatatg tgggatacac tacaagtaac 360

acatgaaggc acaacagatg ttaaaagatc taggataaac actntaactc gtgaatatga 420

actttntagg atgaatgtaa atgaaagtat acaagacatg canaagaggt tcacacacat 480

ag 482

<210> 2541
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2541

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tcatcaacta ccacatgtgt actcacgagc acttctttgg ttactggatt aaacaatttg 120

taaccaccag tggcatgata acccagcagt atcattatct gacttatgct atctaacttc 180

tttctcaact gatcaggcac atgtttataa caaatanagc caaaattttt aaaatgacta 240

accactggtt tgtgtncaaa ccatgcttct tcaagtgtga tgttattgag cctttattgt 300

gggctctcat ttatcacata cactgcactg gagatagcct ctgcccatag aaaatttggc 360

agcttctttc cattaagcat gcatctg 387

<210> 2542
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2542

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atcctcttgc ctaagtcccc tttgaatatt aaattcttta ctcgaactac cattcacaag 120

gatggatatt gatgcgaatt caactcctca tataatccac ccaatctatt tctcacaaaa 180

acccaacctc ttcatcatat aatataaaaa ctctcaatta gtcgattcat atgcttttc 240

acaatcaact ttaaataaca aacaatcttt tttcctcctc cttacatcat tcaccacttc 300

atttgcaacg agaaccccat caagcaaant tcttcttccc ataaaagcac attgcctttc 360

atcaataacc tgtcctaaca ctatttttag ccttgtagct aacaatnttg agattacctt 420

atacaagcaa cctatcaagg aaatatccaa aagccttgag gattcac 467

<210> 2543
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2543

ntgagccaat taagacgaca atatctttnt actcggatga ctgattgagt cccgtcatat 60

atcgagacgc tcgaaattga atgttgatgc tctgagccaa ttcaaacgac aataatattt 120

tactcggatg tttgattgag tcccgtaata tatcgagacg ctcgaaattg aatgttgatg 180

ctctgagcac attcaaacga caataactct ttactccgat gtctgattga gtcccgtcac 240

atatcgagac gctcgaaatt gaatgttgaa gctctcagcc aattcaaacg acaacaactt 300

tctactcgga tgtc 314

<210> 2544
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2544

agcttcaaca ttcaatttcg agcatctcga tatgttacgg gactgaatca cacatccgag 60

taaaaagata ttgtcgtttg aatttgctca gagcatcaac attcaatttc gagcatctcg 120

atacgtgacg ggactgaatc agacattcga gtaaaaagtt attgtcgttt gaatttgctc 180

agagcatgaa cattcaatnt cgagcgtctc gatatattac gggactcaat caaacatccg 240

agtaaaagat attgtcgtnt gaatttgctc acagcatcaa cattcaattt cgagcgtcta 300

gatatgtgac gggactgaat cagacatccg ag 332

<210> 2545
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2545

agccttgaca cgggtattca tgtttcatct aggccctttg agtgtgtgca ttcaaatnta 60

tggggactat ctagagtgaa aactcatggt ggaagctcat actttctcac catcatagat 120

gatttctcaa gaaaagtatg gttgtatggt ttgaaaaata agtcagaagc ttttcaaaaa 180

ttcagagaat gacatactct tgttggaaat caacttggta caaaattaaa agctttaaag 240

actgacaatg gcctgtagtn tgtttcacag cagttcaatg agttttgcac gaaaataggc 300

atcaaaaggc acaaaacagt tcctcacaca ccacaacaga atggtttagt agaaagcatg 360

aataggacca ttttggaaag agttagatgc atgctactaa gtgcacgact gccaaagaac 420

ctttggggag aagctgcana tacaacagca tatttgatta atagatgtcc ttcatc 476

<210> 2546
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2546

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tccatgctat atgtagcaaa gtgattgatc cactaatgtt tgatgagttg gaaaatgagg 120

ccgcaattat actgtgccag ttggagatgt attttccccc ttacttttt gacatcatga 180

ttcacttgat tgtgcatttg gtcacagaaa tcaaatggtg tggtcctgnt tatctacaga 240

ggatgtaccc ggctgagcga tacatgaaga tcttaatagg gatacaaaaa tctatat 297

<210> 2547
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2547

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gctaggagaa tgttaacata accaaaagag acaggaaaat ggcccatgaa atctatgccc 120

cagacatcaa acacctcata gaatagcata ggttgctgag gcatttgttg tcgccatgta 180

agtgcacttc ctgctctctg acactgctca caagtgctac aaatcttcca cacatcttta 240

aagatggtgg gccaataaaa gccacagtca agcactttgc gagctgtcct ttgaacttcc 300

agtgcggaag aatggcanaa ctgcaggact gagtcagtct catgatctgg gatgcatcgt 360

ctaatgacct gatcactgca caatttccac aagtaggcgt catcccaaat aaaatgctta 420

gcatcact 428

<210> 2548
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2548

gtcacctgcc gcatgcaagc tatggaagct cctgtcttag ctttacccga ttttactcaa 60

ccatnttatg ttgaatgtga tgctagtgga gttggcatcg tggctgtttt gatacaaaac 120

aaaaggccta tagcttattt ctcggagaaa ttgggaggag ccagattgaa ctattgcacc 180

tatgacaatg agttctatgc cattgtgaga gctcttgatc attggaatca ttatttgcgt 240

tctaatcact ctatatggca ttcagatcaa tagtcataga agataataat gggcaccaaa 300

gttattccaa gcttgctaat gggtgaattc ttcaatc 337

<210> 2549
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2549

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aattgatctt tggagccgac aaaatcaatg gtgatttctc ctgagagtac cttctattga 120

acaaagtgac catcaatctc tatgtgttta acctgctcat gaaagactgt gtttgaagca 180

atgtggagag caacttcatt ttcacataat agtgtggtat tctaaatgtc tccaaatttt 240

atctattgga gaagttgtgt aagccatgtg atctcgcatg cagcagctgc catgacacaa 300

tactcgactt cggcattgga tcttacaacg gttttctgct ccttgcttct ccatgagatc 360

aagttccctc caataacgac ataatatcta gaagtagacc ttctatctaa tggtgatcct 420

tgccaatcag catc 434

<210> 2550
<211> 346
<212> DNA
<213> Glycine max

<400> 2550

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tctctgagcc aattcatacg acaataactt tttactcgga tgtctgattg agttccgtaa 120

tatatcgaga cgctcgaaat tgaatgttga acctctgagc caattctaac gacaataaca 180

ttttactcgg atgtctgatt gagtctcgta atatatcgag acgctcgaca ttgaatgttg 240

aacctctgag cctattcaaa cgacaataac tgtttactcg gatgtccgat tgagtcgcgt 300

aatatatcta gacgctcgaa attgaatgtt gaacctctga gccaac 346

<210> 2551
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2551

agcttaaaca ttatactntg agcgtctcga tatattacgg gactcaatca gacatccgag 60

taaaaagtta ttggcgtntg aattggctca gaggttcaaa attcaatttc gagcgtctcg 120

atatatttcg ggactcaatc agacatccga gtaaagagtt attgtcgttt gagttggctc 180

agaggttcaa cattcaattt cgagcgtccc gatatattac gtcactgaat cagacatccg 240

agtaaaaagt tatngctcgt tgaattggct ctgagctcca acattcaatt tcgagcgtct 300

cgatatatta ctggactcaa tcagacatcc gagataaaaa gta 343

<210> 2552
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2552

catacgacaa taactnntta ctcggatgtc tgattgagtc ccgtaatata tcgagacgct 60

cgaagttgaa tgttgaatct ttgagccaat tcatacgaca ataacttttt actcggatgt 120

ctgattgagt cccgtaatat atcgagacgc tcgaaattga atgttgaagc tatgagccaa 180

ttctaacgat aataactttt tactcggatg tccgattgag tctcgtaata tatcgagacg 240

ctcgaaattg aatgttgaag ctctgagcct attcaaacga caataacttt ttactcggat 300

gtctgattga gtgccgtaat atattgagac gctcgacatt gaatgttgaa cctctgagcc 360

aattcatacg acaataactc tttactcgga tgtctga 397

<210> 2553
<211> 240
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2553

agcttaaaca ttatactntg agcgtctcga tatattacgg gactcaatca gacatccgag 60

taaaaagtta ttggcgtatg aattggctca aaggttcaaa attcaatttc gagcgtctcg 120

atatatttcg ggactcaatc agacatccga gtaaagagtt attgtcgttt gagttggctc 180

acaggttcaa cattcaattt ccagcgtccc gatatattac gtcactgaat cggacattcg 240

<210> 2554
<211> 393
<212> DNA
<213> Glycine max

<400> 2554

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attttaaccc aaattgcaat aaactcatcc cttatctcta agcgggctca cgggtgcagc 120

tggcagggat atcaacgtct ctagtggttc cctaagattt ctgaaatttt tcctctgttt 180

gctttgttag ggtttccaag tgttagagag aaggagaaga aattggagcc tccaattcac 240

tgtatatgtt caatgagaat ttctccctcc atagacatta ctttacaaat cccaacacta 300

gacatgtgta gagattagtt ccaaaggtgg tgtccaaatt tcactatgat tcaacagtta 360

acaaagcccg ggatcgtagt tttcttggga ttg 393

<210> 2555
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2555

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actctgtggt ttatgctcct ttgctgacca ctacacagac ctttgccctt ctgtgcagca 120

atctgaagca attgaacaac ctgaagctta tgctgcaaac atctataata gacctcctca 180

acctcagcag caaaatcagc cacaacaaaa caattatgac ctctccagca acaggtacaa 240

gcccaggtgg aggaatcatc ccaaccttaa tggtcgaatc cttcacaaca gcagcaacaa 300

caacaacaac cttattttca aaatgctgct ggcccaagca gaccttacgn ttcttcacca 360

atccagcaac aacaacaaca acaacaacaa ccctagaaac aac 403

<210> 2556
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2556

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cagtatgcaa tattagtatt tgaatgtgaa aaaatgaaat gtggagccat gcatgtttaa 120

tggaaaattt aaaatgtact atcaaaatat atttacaact ntaattttta ttgtaattat 180

aatgtttgaa aatatatctt gtccctatat tttacctcaa ttttggtttt agtttagact 240

ttaaaaaact tgatttattt ccttaatatt agtgatagac gaagaaatta atcttacatt 300

ataaatataa tactcatata cataaatttg tggagacaat atttatacta attatagatt 360

ttnttatatt acattttaga caatgaaaac atacgtacat gcacacgaag cttgaacaaa 420

atgagatcac ttg 433

<210> 2557
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2557

ctgagcanat tcaaacgaca atanccttg actcggatgt cggattgagt cacgtaatat 60

ctcgagacac tcggaattga ataccgaagc tatgagcaaa ttcaatcgac aataaatctt 120

tactcggatg tccgattgag tcacgtaata tatcgagacg ctcgaaattg aataccgaag 180

ctctgagcaa attcaaacga caataacttt ttactcggat gtccgattga gtcccgtaat 240

atatcgagac gctcgaaatg gaataccgaa gctctgagca aattgaaacg acaataaatc 300

tttactcgga tgtcggattg agtcacgtaa tatgtcgaga cgctcgaaat tgaataccgg 360

agctctgagc aaattcacac gacaat 386

<210> 2558
<211> 391
<212> DNA
<213> Glycine max

<400> 2558

ctcgacccgg gatccttaag cacctgcggc tgcagcttaa cattcaattt ctagcgtctc 60

tatatatttc aagactcaat cagacattcg tgtaaagagt tattgtcgtt tgaagttgct 120

caaatcttca gtattcaatt tcgagcatct ggatatatta catgactcaa tccgacatcc 180

gagttaaaag ttattgtcgt ttgactttgc tcagaacttt aacattcaat ttcgagcgtc 240

tgtatatatt acgggactca atcacacatc cgagtaaaaa gttattgtcc gtttgaattt 300

gctgagagct ctaacattca attctgagcg tctcgatatg ttacatgact caatctgaca 360

tctcgagaaa aagttattgt cgttttaatt t 391

<210> 2559
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2559

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tggactacat acacttctga tcactaatct gaatttcaat tctaaatgtt ctgttggccg 120

agagtggaga ttttaggaca ctcttcttgt ctttatcaaa aactttcagc atgttgtcct 180

tcatctccat tgtataaccc ttttcaagca attgtccaag gctgagtaaa ttgcttttca 240

tcttgggagc atacaagaca tttgagatgc aggctttctt tccatctttt ctttgaatca 300

tcacgctccc tatcccttct gctgtaattg agctgtgatc tgcgaatttc actatgcttt 360

tggaagtctc atcaagtgtt gtgaaccact ctcttctccc tgacatatgg ttngagcaac 420

cagtgtctag gtaccagaaa atagcacact gaagaatcat ttttgtggaa ccatc 475

<210> 2560
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2560

agctngcact gcccaaagtg gacaaccttc cagaatacgt tgaagccacc attgatgtcc 60

cttatgatgt cgttcagtat ctcaaaaaag cctacgatga tttggaagaa cccttgacct 120

gttttctcaa atcttccaaa gttgattggc atttctatga cccatatatg ttacagttac 180

caaaaaggtt caaagagaaa accaaatggt gtggaatagt aagccccggt tgggcaccat 240

agttgaaggt attgagccac aacgcagttg gtggggtttt gactcactct ggttggacct 300

ctgtggtgga ggttgtttat aatgaaaaac ctctagtttt gttaatgttt cttgcagacc 360

acggattgaa ctcgagggtg ttggaagtga agaagatggt gtattcaatt cctaaggatg 420

aacaagatgg atcattcacg agtgatgcgg tcgctaactt aataccgttg gtatgg 476

<210> 2561
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2561

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gagtcttagg tagggtatat taaataggaa gggaatttct aattgaagta gcaaaaggtt 120

tggccaagaa atttaagtta aaaagtcttt tcaagagatt tactctctgg taatcgatta 180

ccagaggatg taatcgatta ccagtggcca aaaatgattt acaacagcta ttaaaatttg 240

aattcaaaat gtgcactgtg taatcgatta cacatatatg gtaatcgatt accagcagtt 300

attgaacgtt ttatttcaaa ttntaaagct tgtaatcgat tacacacata ctgtaatcga 360

ttaccagagg agatttntag aaaatattct caacagtcac atcttttcat ttggttcttg 420

aatggccatc anacgcctat atatatgtga cttgagaca 459

<210> 2562
<211> 445
<212> DNA
<213> Glycine max

<400> 2562

agcttccagc tttccaccta tatggatggt ctgagcgtga atacactttg tacgcgtcca 60

gtctagtctc tctaagccct gaaaccgtaa ctatagctat gttctgagat tcgccttttc 120

tgctgatcag agagctctcc gaatcctttt ctttcgaagc ggcattgccc aaagtctaat 180

cacaggcttg acagggtctt cttagcccat gctaactaga atacttagta gcttatatga 240

tcccacagcg ataaccactg attgaggagc attcttcgtt ttaaccagtt ttcataaacc 300

aagatatcct gcctatcccg aaaaacggac tccctcatat aaaacagtag cttcatatca 360

agagtggttt tgactaatca tatgacaaat gctcggccga agctagagct aagtggctgt 420

tcacggtaag tatggaaagc atatg 445

<210> 2563
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2563

tttctntgag caaagcanag gcttgctctt atttttcatc ccaggtaaat gccacattct 60

tcttcaccat ctcattgaga ggtgatgcaa ttgtagagaa attaagaatg aaccttctat 120

agaagcttgc taacccatgg aagctcctaa tatctcccac acttttggg gtgggccatt 180

cttggatggc cttgattttc tcaaggtcca cttggacccc atttctacca actacaaaac 240

ctaagaagac tatattatct actcaaaagg tacacttctc tatatttgca tagagtgtgt 300

ttttcctaag gactgaaaga acttgcctga gatgtgctaa gtgatcatct aggctcctac 360

tgtacactaa aatatcatca aaataaacaa ctacaaatct acctatgaaa ctccttagac 420

atgatgcata acctat 436

<210> 2564
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2564

agctcgacac atattaacca tattcaaggt ctgtctaatg agtttgtcca aatgtctcca 60

tactagtcat tggagttaac aaacttaaca ctaatttctt taaacaacaa attntctcga 120

acaaaatggc actcaatctc tacatgtttg gttcttttat gaaatactgg attaaaggca 180

atgtgaatgg ctacctgatt atcacaatac aacttcattt gtcgatcaca ntaatttaag 240

tcttgaagaa agttgttaat ccatgttggc cagatcacaa gtaattagag ccacagctct 300

atattttact tcttcacttg actggacaac aatattatgt ttcttgatct tccaagagat 360

aatatnttct ccaatggata cacaatatac agtggtggat cgtctgtttt agggcaacct 420

gcctaatcgc attacaatac ctacatatt 449

<210> 2565
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2565

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attgagacgc tcgaaattga acaacggaag ctctcgagaa attaaaatgg tcataacttt 120

tcactcatag atccgattaa cgcgtataat atatcgagac actcgaagtt gaataatcga 180

agctactgag caattcaaac ggtcataact gttcactcgg aggtccgatt caggcacata 240

atatatcaag acgcccgaaa ttgaacaacg gaagctcttg agaaattcat atggtcattt 300

cttttcactc 310

<210> 2566
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2566

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tgggccaaag atgcaagaaa aggccctatg gttctcatga gccttgaggt agatntcacg 120

cccatgggct aagtatgagc ccacttatct ttgtacatat tagattaagg tttcattatt 180

tttgggcctt gtatttacgg ctccataatg tacgtaaggt accctaaaca tgtatgattt 240

ttcacccttc tattttcggc acctacacta atttttgatt acgggtagtt ttgaatttac 300

atgcattgtg gaatattcat gtgcgtgttg ggaaaaaact aattgaatgc gagaagccta 360

tccagttaaa tatagagggc gggagcattt gttgctacac cctaatgcac atcataagta 420

cactttgtga tgcttac 437

<210> 2567
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2567

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actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120

ctacacacac atctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180

tacacacccc ctataatagc taagctcacc cccatgacaa anaaagatga aaatacaaaa 240

aaaaaagtcc ttactacaaa gactactcag aatgctccga aatacaaggc taaaacccta 300

tactactaga atggccaaaa tacaaggccc aaacgaagga gaaacctatt ctaatatnta 360

caaagataag tgggctcata cttagcccat gggctcaaaa tatactctaa ggctcatgag 420

aacactaggg ccttcccttg gatctct 447

<210> 2568
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2568

gaactactaa ctgcagtaac agttgcagcc caactatccg gtagtgatga caatagaatc 60

aatgccttca cctcatcctc aaatntaatc tgcacagatt tcaattgggc aagaatagta 120

ttaaactcat taatatgatc agctacagag ataccttctc tcatcttgag gttgaacaac 180

cggcgcatca agtatacttt gttggctgct gacggcttct cgtacatatc tgataatgcc 240

ttcattaagc ctgcagtagt catctcgttc acgatggtga acgcgacgtt cttggctaat 300

gtcgatctga tcacgcccag agcctatcga tctagcaagt tccattcttc tt 352

<210> 2569
<211> 413
<212> DNA
<213> Glycine max

<400> 2569

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tagcatcatt tctggcacta aattgctggg agtttgaagc catcttctca attaaatttc 120

tggcttcagc aggggtcatg tctccaaggg ctccaccact ggtagcatct atcatacttc 180

tctccatgtt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctggt 240

ggtgagggca actggcacat agtttcttaa atctctccca gtattcatat aagctctctc 300

cactgagttg tctaatgcct gagatatcct ttctgatggt cgtggtcctg gaagcagggt 360

aaaaattttc taagaatact ctctcgacgt cagcccagct cgtgatggac cat 413

<210> 2570
<211> 385
<212> DNA
<213> Glycine max

<400> 2570

agatgctgct ctatgctaaa tttctgaaag atatgctaac ttggaagaac aagtacatcc 60

atagtgacac catagttgtg gagggaagct gcagtgccgt aattcaacgc atcctttcgc 120

caaaacataa ggacccaggc agcgtcacta taccttgttc tataagtgaa gtatttgttg 180

gcaaggctct tattgatttg ggagccaata ttaatttgat gccacttttc atgtgccaaa 240

ggcttggaga gttggagata atgtctacta cgatgacttt acagttagca gatcgctcca 300

ttaccagacc ctatggagta atagaggatg ttttggctcg ggtcaaacac cttatctttc 360

ctgctgactt ggtggtaatg gacat 385

<210> 2571
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2571

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cttttgttat tttaagtact taattctaat tgccgtattt catggaaaac cctatatttg 120

gtctagaatc tacaattatg ctaggctaat tgtgactnta gtgttacatt gattagttta 180

tttaatgcgt tttggggaaa attactatgt gttatttttt tttgactgga tatatacgtg 240

ttaataaata ttaatatgac ttcacacgct aaaccaatac taagcaaacg ggagatacaa 300

aatttggtag atccaatgct tggaggggct tatgacgtga caccagttaa tagagtagcc 360

tttgctgcct ccctttgcat tagggcatct gcaacttgca gacctatcat gagtgaggta 420

gctcaattat atatgttgca caactttggt gttactttcc ta 462

<210> 2572
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2572

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tataaattta cgtgatgtta tataagtttt ttttaataat ggattgttct gttttagttt 120

ttaaaattga aataaattaa tatgtgttga tttcatttgt attattttaa attaaaatgt 180

gttcttagtc tacttttttа gcacgttgat tttaatgtgc tgcatacgaa ttgataatat 240

ttagcccatt tgtgtgtttt gtcactgttc gcaggaatct tactggaatc ctcaaagtgg 300

gagcctcctg ttccctactt cattaaacac ttctcattat ttatttattt attttcgtga 360

acaataagaa ttaaataatt aataaaaaaa atgatcgata caattagttt attactntga 420

gtctatatat taacaatatg gagtcat 447

<210> 2573
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2573

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ccctttgatg gcttgtttag catagctcat acttttcctc tcaatttgat ctttgactct 120

ataatgaagc ttcttcacat agtccgcctt tgcttgacct tctttatgct taaaaacaga 180

aacattaggc ataggcaaaa gatcaagagg agttagtgga ttaaaaccat aaacaacttc 240

aaggcttaag aaagaagaat catcggatga cgccgatcga acatttccta atatacatca 300

tncaaatatt attcatggat tgaatagaac atacaatagc cgacatc 347

<210> 2574
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2574

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tttctcgggc cagctttctt cttaactcaa ttgagccacg ctaattctcc tgtgatggct 120

gttttgtgta tgacatgcag tcangtttgc ttcttgtttt gtatttgaga tatttttaat 180

tctgagaagg cagtctcttt gtaatcctaa cataaaatct gcttatattt gtgtctcttc 240

ttatatgtat ctggagaaag ttacttaata cttgtataaa gtttctttaa tttaagtatc 300

tcacttcaat aattttatta tgattattag ttcatactgc ataatctgaa natntgactg 360

gcaaatataa atattcttgg caatggtgtc ttggaacttc tcttgatgag cataactaca 420

cattctcatt ttgctaagtc ttcatataaa gttagaaagt gttggttcat ccattcattc 480

ca 482

<210> 2575
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2575

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taaactagct gtgtgtgtgc aagtctgaag gtgaatgttc tttgtttcaa ttctttattc 120

cttattgtta ttgtcttaat aaggttagaa tagaaaagtt attggaagaa aattaaggat 180

tagctcacct ttgctgattt gaatagttca tcaagaacct cggacaaagt tggatgtgca 240

tgaactgcaa attntatgtc ctgcattgta ccacaaaacg gtgaaattta ccaaacaagc 300

aggataaata agagtgaaga ctttgtgact attattagta actaaatgcc aatacacata 360

aatgtggtag aaaaatttac ctgaatacgt gtccctaatg caattgcatt ggatgcttca 420

tggatgagat ctgctgca 438

<210> 2576
<211> 433
<212> DNA
<213> Glycine max

<400> 2576

gcagctctta gtctcaactg atgaagataa attcgtggct acttcatgca ctcctctaat 60

gacaatagca tcatttctgg cactaaattg ctaggagttt gaagccatct tctcaattaa 120

atttctggct tcaacagggg ttatgtctcc aagggctcca ccactggcag catctatcat 180

acttctctct atgttactga gtccttcata aaaatattgg agaagaagtt gctcagaaat 240

ctggtggtga gggcaactgg cacatagttt tttaaatctc tcccagtatt catataggct 300

atctccactg agttgcctaa tgcctgaaat atcctttctg atggccatgg tcctggaagc 360

agggaaaatt ttttctaaga atactctctt gaggtcatcc cagctcgtga tggaccttgg 420

agcaagctaa tat 433

<210> 2577
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2577

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aattcttcag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120

acagctttcc aggttctgct atccagtgat ttgaggaagg ccaccattct tgctttccaa 180

tattcatagt tgcttccatc gagaattggt ggtctgttca ctggtccgcc ttctttctcc 240

atgttcatca gaatttatct ccctagatct cactctgtga tttcgagtgt tggctctgat 300

accaattgaa attctgatac caggggacag atgtcgtaca ggatgtcacg acatcacgct 360

tcagaacatg cagattatat gtgtccgtat gaacagatta nactagtaaa taacacaaga 420

gaattgttta cccagtgctg tgctacctca cctaca 456

<210> 2578
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2578

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ttttccacaa ctttatccca agtccttaag ctattacctt tgaatgaatg cagccacctc 120

ttggcttctc tagataatga aaatgaaaat aagctgagcc gaatagcatc ttctggcaca 180

ccgacaatct tgacaatgtt gcatatctca atatatgttg ccaagtgtgc atatgggtct 240

tcattgngta gaccatggaa caaattgcct cgtattaact gaatcaaaga atgtggatat 300

gtgatattgt gggcctgcac ctctggcctt gcaatgcttg taaagaactg tggcacagcg 360

atgctagaat aatcttcaag ggtcaccctg cttggttgct cttcaaccat aatgt 415

<210> 2579
<211> 480
<212> DNA
<213> Glycine max

<400> 2579

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gtcaaactga gagaaccatt cagtctttat aagaccttat gagagcttgt gtaatatgac 120

aaaagggtat ttgggatgag tatttacctc tagtggagtt tacccacaac aatacttttc 180

atgctagtat acatatggct ccatttgaag ccttatatgg gaggaagtgt agaacaccat 240

tatgttggta tgagactggt gagtctcttt tgatagtgtt gagtctggtt gcatccaagt 300

cacattggac tgtaccaaac aagttaaatt cctgaggttt tgatgttaac aaagtataaa 360

ttttaagtac taacctttca tgcttaagtt acaagctatc ttatctctga gatacaagca 420

gaaaagcatg aacataaagg ttctggacaa taggcaaagt atcagtcatt ggatgatact 480

<210> 2580
<211> 448

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2580

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cttgtaggcc ttggatcttc ttcatcaatg gagtcttttg cttcttaaag tttgatagca 120

gcgtaatgga gaaggagaag ggtgattgga gatgccactt caaggagaag atgagtctat 180

aagaagctca ccaccatagg aagccatgga taatagcttg aaagtaagag aagatgaatg 240

gacggagagg gagaaaggga gcatganatt tagtgcctct aaagaagttt gaactttgaa 300

gtttaattct cagatgatca aagttgaaaa aatgcacaca catagcctct atatatagcc 360

taagagtcac acagaattgg agggaaatct gaatgtctat tcacatttta ctagaatttg 420

acattgaatg gtggagccaa atttcact 448

<210> 2581
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2581

agctnntaat ttaattgtca taataattag taattacact atattacaac aaagtaaata 60

tggtatccta aagtatnttt actttntcta atcattatag tcaatctcga tgtctaattg 120

tcccaaaata atctttgaaa gcatatacta ttaattatct aggggttcgg gatacataga 180

cggtagtgtt ggaaatctta atctttaatg tttattgatt aaaatatatt ttttccttat 240

aaatataaaa atgtttgaat ttttttttt tgtaaaattt tagtacatat tttgtcctga 300

taaaattgaa atgtatcact tttttgcttg aacataagtt tggataaatc taaatctacg 360

atgatgacct nnttacattg tatacatata aatgatgtaa aatgtgacat tntttatatc 420

ggttgtgcat ataaccgatg t 441

<210> 2582
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2582

tacgtgaaag tagtataaag aaatacttta gaagttaagt tattcgatag tagaatcttt 60

atgacataaa tagaatgcat ggtcgaacat taaaataatg gcatgtggta ggtcatacat 120

acataatctt tgtataacct gatagaatca aatgaaaagt aagggatata ttacaacata 180

aacaagtata tgaattcatg tcatcagaat agaaatcaaa atattcttta caacataaga 240

taaatagcta aactaagcta tgaactcgtt tgagtagtct acgttgggga aattcttaan 300

aatgagagtc ttgtttgtcg aatctatana tnggcagggg tcctcctaat acatggatag 360

acaagtgaaa attttcccaa gatttacatc aacacacaag cttcnatcca atctatctct 420

tcacaattan aatataatat aacatatatt catattcata ttaatatcat ct 472

<210> 2583
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2583

tatcacagac tcatctatga aggagaactc tagttttcag gaccaattac tttatttcaa 60

gggtcgtcta ttcaatacct gatcatagct tcaagtctag aaacattaac aagggtttat 120

gtgaaatcta tgtcttcttg tgggttaaag ccttgagcta ctaacatagc tttgttcctt 180

actaccttat cttgttcatc caatttattt ctaaatgccc atcttgttcc caagatgctt 240

ttgttctcag gcttgngaac aagcatcttg acatcatttc cagtgaacta gtggagttct 300

tcttccattg caataatcca attattatat gtgattattt catttatcat cttacgttct 360

atttcaaaca tganagcata agacataaga tctttaaaat gatgatctgg ttttgactcc 420

ttcagtctga tcttcaataa tctgatct 448

<210> 2584
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2584

ngcatacaag attctncttg cttgacactt cataaccttc tggttgggtt atatagatgt 60

cttnctctaa atccccatgc aagaatgcag ttttaacatc taactgctcc aagtgaagat 120

tctctgcagc tattatgctc agaataactc tgatggtagt catctttaca actggagaga 180

agatctctgt gaaatcaatt ccttgtttct gctgaaaccc ttttaccaca agtctcgcct 240

tgtatcttct tctaccgtta gattcttcct ttagcctata gacccaccta ttctgtaacg 300

ctttctttcc ttctggcaat ntagttaaag accacgtctt attcttctga agggatgtca 360

tctcatcttt catcgctagc tcccactcaa taatgtcatt cccttgtgta gcctcactga 420

aacattttgg ctcaccagca tcagttaaca acaaataatg caatgaacgt gaatacctat 480

ctgg 484

<210> 2585
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2585

taagccaacc cctnttctca tacaaaacat gttgatgttt tactctatca atcaccaaca 60

agttgaaacc taactatatg caatgattaa gaaaaacaaa gaaaaagagc agggttgcct 120

cccagtaagc gcttctttaa cgtcactagt ttgacgcata ttacctcaaa ggtcttgtaa 180

ctacagaatg gtggttaatc tctcaatgtt cccaccttga tacaacttca acctctgacc 240

atttactatc catgttctgc ttggagtttc tgattgcgga ttaaataatt ccactgctcc 300

atatggcttg acttccttga tggtgaatgg tccagaccat ttagactcta tcttgcttgg 360

aaacaacttc aatcttgagt tgaacaacaa cacttgttat cttggcctag agtccttctt 420

tagcagcttc ttgtcatgat aagccttcac tttttctctg tacaatctta aagactcgta 480

tgca 484

<210> 2586
<211> 400
<212> DNA
<213> Glycine max

<400> 2586

acacatatac tgcaatcgag taccatatct atatttcaga aaatattctc aaccgtcaca 60

tctttatatg tggatcttga ctggctatca aaggcctata tatatgtgac ttgagacacg 120

aatgtgctaa cagttctttg gatcacatac gtcttatcct cttaaacagc aaaatcgttt 180

tatcctctta caaatacctt ggccgaaata cttgtgattc aataaagaat tatttgagtg 240

ctcaaattgt tcaatctatc tctttcaaga gagatctctt cttttcttct tcttcattct 300

gaaaagggat taagagaccg acggtctctc gttgtgaaag aattctaaac acaaacgaag 360

ggtcgtcctt gtgtgtctag aacttgtaaa aggaatttac 400

<210> 2587
<211> 266
<212> DNA
<213> Glycine max

<400> 2587

gcttataatg tatcgctacg ctcgaaatta aacatccgaa actctttata tattcaaatg 60

gtcataacgc tcctcacgga tgtccgatgc cggcgcataa tatgtcgaga ggctcaaata 120

ttaacaacgg aagctcttga gaatttaaaa tggccctaac cttgtaaccc cgatgtccaa 180

ctcacgctaa tagtatatcg agccacttaa cattaaacat gtgcaacttt cacgaacatt 240

aaatggttat aacttttcac accgat 266

<210> 2588
<211> 455
<212> DNA
<213> Glycine max

<400> 2588

tcaacatcag accacttcac aggtgctgga actattttat atggatctga tggggcctat 60

gcacgttgaa agccttggag gaaagaggta tgcctatgtt gttgcggatg atttctccac 120

atttacctga gtcaacttta tcacagagaa atcagagacc tttgaagtat tccaagagtt 180

gagtctaaga ctacaaagag aaaacgactg tgtcatcaag agaatcatga gtgaccatgg 240

cagagagtct gaaaacagca cgttcactga attctgcaca tctgaaggca tcactcatga 300

gttctctgca gccattacac cacaacagaa tggcatagtt gaaaggaaaa acacgacttt 360

gcaagacgct gctatggtca tgcttcatgc caaagaactt ctctattatc tcttggctga 420

agccatgaac acagcatgct acatccacaa cagag 455

<210> 2589
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2589

tactaagctt aagccaatta tacgacaata actntttact cggatgtctg attgatgtcc 60

gtaatataac gaaacgctcg aaattgaatg tttaagcttt gagcccattc taacgataat 120

aactntttac tcggatgtcc gattgagtct cgtaatatat cgacacgctc gaaatngaat 180

gttgaagctc ttagcctatt taaacgacaa taacgtttta ctcggatgtc cgattgagtg 240

acgtaatata tcgagacgct cgacaatgaa tgttgaacct ctgagccaac tcaaacgaca 300

ataactntnt actcggatgt cctgatgagt cccgtaatat atcgagacgc tcgaaattga 360

atgttgaacc tctgagccaa ttcaaacgac aataactttt tactcggatg tctgattgag 420

tcccgtaata tatcgaga 438

<210> 2590
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2590

agcttaaaca ttatactntg agcgtctcga tatattactg gactcaatca gacatctgag 60

taaaaagtta ttgccgcttg aattggctca aaggttcaaa attcaatttc gagcgtctcg 120

atatatttcg ggactcaatc agacatccga gtaaagagtt attgtccttt gagttggctc 180

agaggttgaa cattcaattt cgagcgtccc gatatattac gtcactgaat cggacatccg 240

agtaaaaagt tattgttcgt tgaatttgct ctgagcttca acattcaatt tcgagcgtct 300

cgatatatta cgggactcaa tcagatatcc gagaaaaaag ttattgtcgt ttgaattaga 360

tcatatgttc aacattca 378

<210> 2591
<211> 387
<212> DNA
<213> Glycine max

<400> 2591

tcgacctcta tatttcttat ccaagtcctt attactacta atagacaaac cttcaggtgg 60

ttgcacgtat attatctcac tcaaatcacc attcagaaaa gctatcttca cattcatttg 120

gtgcaactgc aaatcaatat gagctactag ggccataatg attctaaagg aatcattcgt 180

tgatacaaga gacaaagtct ctttaaagtc aacactctcc ttctgcataa aacccttta 240

caccagtcta gccttgaata tctcaatgtt accatataag cacttctctt cttgaagacc 300

catctccaat tgattgcctt caaattctag gtaattcaac tagcttccat atgccattaa 360

ctgacataca ttgcatctct tcattca 387

<210> 2592
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2592

tcatgatgaa tcaagaatga tttaatgatc acaaagatgt atgactttaa gctcanaagt 60

caagaacact tcatgataac aaagataatg atctcaagaa tcaaagaatg agttcaagat 120

tgaatcaaga acacttcaag gttcaaaagg aaatttgatt tctagaatca agaatcaagt 180

ttcaagattc aagttccaag aatcaaaatc aagattcaag aatcaagaga aggctcaatc 240

aagataagta ttaaaaagtt cttttaaaaa ctgagtagca catgaatttt tctcataacc 300

ttttatcaaa gagttcttac tctctggtaa tcgattacca gattattgta atcaattacc 360

agtagcaaaa tggttctcaa aaagctttca actgaattta caacgttcca attgatctca 420

aaatgctgta atcgattaca atgatttggt aatcgattac cagtgtgttt gaa 473

<210> 2593
<211> 469
<212> DNA
<213> Glycine max

<400> 2593

gtcacctgcg gcatgcaagc ttcataaatt caatatataa catattatct gaatcgatat 60

gatggtgaca gggcgagtaa cccatataaa caaatattgt ggttcaaaat tctagcttgt 120

gagattgata tggtctaaga aaaggataac aagcacaaga aaatactttt atgaatgtgt 180

aatcaggcgt tatctaaagc aaaaaatgat atggagtatc aaatttgatt gtcagactca 240

gtagatatct aaacctaaat atgacataag aaacagtcag cacagagata aattccaaca 300

aaagtaacat acgagcatgg atcaatatga ttatgatttg tgaacaaata gggaaagttt 360

tgaattctaa tatacattgc gacaaaaatg attctagtgg ccacaaaata catgataatc 420

aacttttatt ggatcaagac agaatataac attcaaaacc acatatcct 469

<210> 2594
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2594

cgctagaatg ctntccaaaa tctaagatac ctatctaaca ctatataggt aggtatgcca 60

tgaagcttaa gtatctcctt attgtaaatg tctgctaatt tgtccaattt gtatgtctcc 120

ttaattggta agaagtgagc agacttggtt agcctgtcca caaccaccca tatgacctct 180

agacccaaac gagtttttgg aaaacttgtt acaaaatccc tagaaattca ttcccatttg 240

cactcaagaa ctcctagagg ttttaaagtt cttggttttg aagttgttcc ttcttaatca 300

actctntaat gtcactaccg atctccaatc tattcaactt catgatcaat gcattcaaat 360

tcaagtccct aaactcctct atcaagttca tcttttacac catcaagcta gacatgtgca 420

aagacttcct actgagagga tcagccacta cat 453

<210> 2595
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2595

tgcataaccc ncacacctac tctattacaa atcaccacaa cccccaacgc cagcgccacc 60

ttcaaccgaa tcctcatcct ccctttcttc acatcaatta tataagactt cccatccttc 120

tcacccctcc ttcccttcac tgccgtcaac atatgattct cctgcaaatc aagcacatag 180

ctaaccatcc cactcaacaa tatgtctata aatccaaacc ccaccaacac aaacaatata 240

gagaaaagct tagtggctgt actattggga gtgatatcac cgtaccctat tgtgcacatt 300

gtcactatac aaaaatacaa tgcatcaact ataggatgag tctcagtagc tgtaaaatta 360

tgacgattga accaataaat gacaa 385

<210> 2596
<211> 482
<212> DNA
<213> Glycine max

<400> 2596

cgagacttca agatatgaac tccttgttcc tttgagcatt tcatgcaagc ttcacttaag 60

gtaaggggga gttttccact tcttgaacct taacctttt gtctagcaaa atttatgtat 120

aaaacaagtt taaggtcttt tgtaggatta aagttacttt ggatatgttg gatcaagtgg 180

cctctgaata attaagaagg ggggttgaat taattattac tgaaccttta ctaattaaaa 240

atgtaccctt cttaggcttt tactataatg ttaagaaagt aaataacaga aatggaaact 300

taaccaaaag taaaagcaat aattaaagtg cacaacggaa aataaagagt gtatggaaga 360

agaagacaaa cacaagagtt ttatactggt tcggcaacaa cccgtgccta cattcagtcc 420

ccaagcgact tgcggtcctt gagatttctt ttaaccttgt aaaatccttt acaagcaaga 480

tc 482

<210> 2597
<211> 481
<212> DNA
<213> Glycine max

<400> 2597

cgcttctcct gaatatcaaa tgcattctga gaataagaaa tggacaaata aggattggtt 60

agaagagcac taactaaaat taaattgaat ttgaatttac gaatgtaggc aacattatgc 120

aagagtgagg tattggttaa gcaaatcgaa ccaatggcaa tgataggtat aacatcattg 180

ttaggaagag tgacggtttt atcataaaca agttggtaag atcgaaaatg atgaacggaa 240

caagaaatat gaatgttggc accagaatct aaaagccaac aatcatgaag aaaattagaa 300

gtggatgtaa aaaggatcat accactggca gaagacacac cttgagggat gacaacattg 360

gaagcatgac tctctaaaag attcatcaat cggctatatc gttgggcagt aagtcgaaac 420

tgggaacccg agtcaccaga ggaagatggt gagtaagaca tatcaacaga tacttgagca 480

a 481

<210> 2598
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2598

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catggcagaa cccatatatt gncgttgcaa aaggtacaca acaaggattc atcttcttat 120

atgagactct gaaaggcttc gatggcatca ttgaacacct gtgtaataca caaaagtaca 180

acaaagcagt aaacaaatca aggcaataag aaaacaaaat ataatacgat tcctgctcct 240

ttctgattgc attttacagc aagtttgata cacacaacca acaggggaga caacttctta 300

aagaggtcat gacgcttctg catataaaac caaactactg aatgtcggca aaggcatctt 360

tctaagtatt gaatctcacc taaaagagag tcaaataagt accttatgcc acattgtgac 420

caacagacgc aactttct 438

<210> 2599
<211> 344
<212> DNA
<213> Glycine max

<400> 2599

agtctcacga ttgtcacgtg ctcatgcaac aattgttagc cgtggctata cgagacatct 60

tgccaaacaa agtcaggtta acgataactc gcctgtgctt tttcttccat gctatatgta 120

gcaaagtcat tgatccagtc atgtttgatg agttggaaaa tgaggccgca attaaactgt 180

gccagttgga gatgtatttt ccctctgctt tctttgacat catgattcac ttgattgtgc 240

atctggtcag agaaatcaaa tgttgtggtc ctgtttatct acggtggatg tacccggttg 300

agcgatacat gaagatctta aaagggtata caaagaatct atat 344

<210> 2600
<211> 406
<212> DNA
<213> Glycine max

<400> 2600

tgctaaccca tggaagctcc taatatctcc cacactattt gtggtgggcc attcttggat 60

ggcctagata ttcttagggc ccacttggac cccatttcta ccaactacaa accctaataa 120

aactatatta tctacacaaa aggtacactt ctctatattt gcatatacgg tgtgtctcct 180

aaggactgaa agaactttcc tgagatgtcc taagtgatca tactacgctc caactgtaca 240

ctaaaatatc atcacaataa aaaactgcat atctacctat taaatacctt aagacattat 300

ccataagcct cataaaggag ctcggtgcat tactgatccc aaaaggcatc actaaccatt 360

catacaaacc aaacttggtc ttgaaagcga atttccactc atcacc 406

<210> 2601
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2601

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cctattttta ggcttgtgcc cgacctttat aaaagtctgt caggttcgtc agttcattta 120

aagacatatt tcatattaga acgtgtaaaa aacaataatt ttttaaacaa aacccaagaa 180

tttcattaaa aaataataag ataatggtta accacaagat atgggcaaaa ttttcctaca 240

aacattacat gtgacatact accaaagtct tttaagtttc accaaaagga aagagtctat 300

attcttacta cccatttata ctacattaac taaaataatt taaatcatca aactactaaa 360

ataatgttgt aatttaaata anataattat aatattatat gccatattaa tataatantt 420

ttatataaca t 431

<210> 2602
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2602

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ctctaagaag tggattcact cttatcttgg atggataaga atgaaggctc ctacccttat 120

ttatactact ccatctccac aataaatggt ggagatttct tgtatcataa ggtgaagatt 180

aattctctag aatgctccac acattctagg agtttctaca ctcttccata tccttccata 240

aggttccaga aagtttcaca catctctaga atattccaga ggtttccaca ttcttccaca 300

agcttctaga gagttctaca ctactctaga gctctccaga gcgttctaga anattctaca 360

c 361

<210> 2603
<211> 312
<212> DNA
<213> Glycine max

<400> 2603

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atttcccgag agcttccgtt ggtcaatttc tagcatctcg atacgctatg tgcctgaatc 120

ggacatgcga gtgataacgt atgaccattt gaatttctcg agagcttccg acgttaattt 180

ctagcgtctc gatactctat gcgcctacat cggacatgcg agtgaaaagc tattaccgtt 240

ttagtttctc gagagatgcc gatagtcaat ttcgagcgtc tagacatggt atgcgcctga 300

atcggacatg cg 312

<210> 2604
<211> 257
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2604

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gattgcttag tgaaattctc cattcttaat cttttcggag ccccatgaat tgcgttntcg 120

ttcatgtgtg ctccaccttc gagtttggag ctatgcgtag tgattgctta gtgaaattct 180

ccattctcaa tcttttcgga gccccgtgaa ttgcgttttc gttcatgtgt gctccacctt 240

ccagtttcga gctatgc 257

<210> 2605
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2605

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caattcatca atgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120

gacagctttc caggttctgc tatccagtga tttgaggaag gccaccattc ttgctttcca 180

gtattcatag ttgcttccat caagaattgg tggtctgttc actggtccgc cttctttctc 240

catgttcatc agaatttatc tccctagatc tcactcagtg atttcgagtg cccgctctga 300

taccaattga aattctgata ctggggacag atgtcgtaca ggatgtcacg acatcacgct 360

tcagaacatg 370

<210> 2606
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2606

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aactagatta tttaaatgat gcatattaat gtgtgcagtc ctacaatgct acaaccatga 120

atcatctatt gtactcacca agcaacttag ctcatgaaaa gatgcttgct caacattcag 180

catataaatg ctacttattc tcttaccaat atggagagct ttactggata tggcttcact 240

tataagacaa caatttctat tgaattcaat cttgaaacct ttatcacaaa gttggctaat 300

gcttagaaga ttatgcttta gtttatccac atataacaca ttctttatct gagtttcgtc 360

ttgattccct atacttcctt ctcccattat ctttcctttt gtattggnct caaacatga 419

<210> 2607
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2607

ntgcacgtat cagtcaagtg tatggaccat atcgtagcca atgtgctcat agataatggt 60

tccagtttaa acgtgatgcc taagagcact ttggagaaat taccattcaa tgcttcccac 120

ctaaagccga gttcaatggt ggttcgtgcc ttcgacggca cccgccgaga ggttagggga 180

gagatagacc tcccagtaca gataggccct cacacctgtc aagctacctt ccaaataatg 240

gatattaacc ccccctacaa ctgtctgttg ggacgtccgt ggatccactc agtgggagtt 300

gttccctcta cactccacca aaagttgaaa ttcgtagtgg aagggcatct ggtcatcgta 360

tcaagcgagg aagacatctt ggtgagctgc ccatcctcta tgccctatgt gggagtcat 419

<210> 2608
<211> 319
<212> DNA
<213> Glycine max

<400> 2608

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aatctgcacc tgttgctaga gtctatggtc tatgttcttc tgcatatcac catatagatc 120

tttgtccttc tttgcagcaa tttggagtca atgagcaacc tgaagcttat gctgcaaaca 180

tttataatag acccccctcag cagcaaaacc aacaacagta gaataattat gatctttcaa 240

gcaacagata caatccaggt tggagaaatc atctaaatct gagatgggca agtcccccac 300

aacaacaaca gcctgtccc 319

<210> 2609
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2609

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cctagtgtaa aacagctaat atttgaactt tgggtctacc aatatttatt attaattntt 120

taaagtaaaa aatatcacac atgttaatta aaagacctta catattatta ttttctttaa 180

agtaaaaaaa tatattttaa ttnttattct aggtctcatt ttctattgga ccgacacttc 240

agttgagatt aaaaatctca ctaagagaat agctccaagt atttgtattg tagcatcact 300

aacaacatcg tgtccattgg ttgcagcaca caggtattca caactattct tcatgtncgg 360

aattagtgat tngatcaaaa tactaatcaa cat 393

<210> 2610

<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2610

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ttaacctcct taaaattaat tacggataaa aataacacaa caaataatca aacatcaaac 120

ataattacta ataatatata tatatatata tatatatatg tatcagggtg ttacataatg 180

gcattggata gaagactcca agaagattgg gtcagcgatg caagagaagg ccctagggtt 240

ctcatgagcc ttatggtaga tttcgggccc atgggcttag tacgagcccg cttatctttg 300

tacatattag attaaggttt cattattttt gggccttgta tttagggctc cataatatan 360

gtaaggtacc ctagaaatgt aggatttttc ag 392

<210> 2611
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2611

tgtaagccta agatcttcat catcaatgga tgtccttgct ttatggaaga tgaatggcaa 60

cggaatggag aatgaagaga gagaggagac accacttcaa cgagaagata agtctagaag 120

aagctcacca ccataggagg ccatggataa gagcttggag gaagaatgag atgaatgaag 180

ggagaggaag agaggagcac gaaattttgt gctctaaaag agctctgaaa tctgaagttt 240

aatattcaaa tgatcaaagt tgaaaaaagt gcacacacat gacctctatt ttatagccta 300

agtgtcacac anaattggag ggaacattga atttcaattc aaatttcact tg 352

<210> 2612
<211> 314
<212> DNA
<213> Glycine max

<400> 2612

agctttatgc ttaactatgt atgggcaaaa tttattactg ttgctcaaga catacaagtg 60

aacttgtaac aaatcttcta cacttggagt gatcacatgt agtcctcttg aacccttacc 120

aaccactctg tcatcatgcc gagactcagg aaggccaaca tgtttagcct tctctaaaaa 180

ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaataa aagcttctgg 240

atgatataga ttctttgtat accctcttaa aatcattatg tatcgctcaa ccgggtacat 300

tcaccggtga taaa 314

<210> 2613
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2613

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actcactagc tcttctaagn gttctctggc tctctctttc ttttggggga tggagttcaa 120

caagttcaga atcagaagct atgaggggca atctgatagg gctcaagtgg aagatcttga 180

gagaagatgc gaggtanggc catcagaaag cgtgtttctc ttcacagaca ctatgggtga 240

ccccatttgt aggatccgga acagtcccat gtacatgatg ctggtaagtg atacacacac 300

acaacaatta ctatgccact ataagtcact aacttcatgg gttttttccc ttctcattat 360

gtatat 366

<210> 2614
<211> 349
<212> DNA
<213> Glycine max

<400> 2614

agcttgtagg tcttggatct tcttcatcaa tggagtcttt tgcttcttga agatcaatga 60

caacataatg gagaaggaag aaagatgatt ggagaagcca cttcaaggag aagatgagtc 120

aagaagaagc tcaccaccat atgaaaccat ggataagagc ttgaaggtag aagaagatga 180

gtggagggag agaaagagca cgaatttttg tacttaaatg aggtatgaaa tttgaagtgt 240

aattctcaaa tgatcaaagt tgaaaaaaat gcacacacat gacctctatt tatagcctaa 300

gtgtcacaca aaattggagg gaaatttgaa tttctattcg tatttcact 349

<210> 2615
<211> 379

<212> DNA
<213> Glycine max

<400> 2615

ttaaaagttt cgaaagacca agttctatcc atcacactat tcaacccccc ttctagtgtg 60

tttcaatcac ttcatatacc tactcaccac gatgatttct tgtgttaggt cttgtcttgt 120

gcacacaatt gcatacatga gactacctac aacagtctca taaggaacac gaggcatgta 180

ttctctttat gattctaatt gagtggcatt gagtccagtg agatgaatgg atgtagtcaa 240

aggagtacaa actagttttg tggatgccat cccaaaatga ttcaacactt tctgaatgta 300

ttccttttga catcaaattt tttttcagga cttgacccct cttgatctcc atgcccaaaa 360

tcttttatgc atctctcat 379

<210> 2616
<211> 371
<212> DNA
<213> Glycine max

<400> 2616

ctcggagatc tgattcaggc gcataatata tcgagattct cgagaatgta caacgaaagc 60

tctcgagaaa ttccaatgct cattatcttt aactcggagg tctgatttaa gcgcataata 120

tatcaagacg ctcgaaattg aacaacggaa gctctctaga aattgaaatg gtcataactt 180

ttcactccga ggttcgattc aagtgcatga tatatccaga cgctcgaaat tgaacaatag 240

aagctctcga gaaattcaaa tggtcataac ctttaactcg gaggtccgat ttaggcgcat 300

aatatatcga gacgctcgaa atataacaat ggaagctcta tgggcaattc aatggacata 360

acttttatct c 371

<210> 2617
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2617

agaaattggg tgcaaattnt aattcctttg gctcgaaaaa gttgactctg gtacccgggg 60

acatctctcg tgaagacttg ggattggagg attccattct aagggaagag atttatgatc 120

aaacagatgt cattattaac ttagctgcaa caactaactn tgatgaaagg catattgtat 180

atactaaaac atcataggct tttatgccta tttaatggtt ttggtgccct ggccttagtt 240

attattctct tgtttcttct tttaattact atctcacctt aaatttcagg tatgatatat 300

cgttgggtct aaataccttt ggtggtaagt atgtcatcaa cttcgccaaa aat 353

<210> 2618
<211> 288
<212> DNA
<213> Glycine max

<400> 2618

cccaattccc aaacgccaag cccaggcgcc ttctttcttc aaaggcccct tgtccttttg 60

cgacctcaat ttacccgccg cttgggttcg gggacatgag cgccgtctac ttggcggtgc 120

ccaaagaaag cgctggagcc cgcggcgcgg tgttcgcggc gaacgtgatg gagaaaggag 180

gactggcgag gaggaacaag gaaggcagag cgaggacaga gagggaaatt ctggaaatgt 240

tggatcatcc tttcttgccc acgctctacg ccttcataca cgcgccta 288

<210> 2619
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2619

ttgagcanat tcacacgaca atataatttt actcggatgt cttattgagt cccgtaatat 60

atcgagacgc tcgaaatgga ttactgaaga tctgagcaaa ttcaaacgac aataaatttt 120

ttactcggat gtctgattga gtcccgtcat atatcgaaaa gctcgaaatt gaatgttgaa 180

gctctgagca aattcaaacg acaataactt tttactcgga tgtctgattg agtcccgtaa 240

tatatcgaaa accttgaaat tgaatgtaga agctctgagc acattcaaac gacaataact 300

ttntactcgg atgtctgatt gagtccgcga atatattgag atgctcgaaa tggaataccg 360

aagccctgag cacattcaaa cgacaataac tttttactcg gat 403

<210> 2620
<211> 234
<212> DNA
<213> Glycine max

<400> 2620

ctttggtatt ccatttcgag cttctcgata tattacgaga ctcaatcgga catccgagta 60

aaaatttatt ggtcgttgga attgcttaga gcttcaacat tcaattacga gcgttcggat 120

atattacggt actcaatcag acatccgagt aaaaagttat tgtcgtttga attggctcag 180

agcttcggta gtccatttcg agcttctcga tatattacgg gactcaatca gaca 234

<210> 2621
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2621

ntacaacaca tgccactcta ctccaatntc ttgaaggata ttatcaagga aacataagta 60

tattcaccag gaaaacatcg tagtggaagg aaattgtagt gttgtgattc aaaagatcct 120

ctcccaccca agcataaaga ccctgggagt gtaactattt cttcttcaat tggagaagtc 180

attgtgggaa aggctcttat tgacctcgga gccaacatta gtttaatgcc actctgcatg 240

tgcagaaggt tgggagagtt ggagatcatg cccactaaga tgactntaaa cctggttgac 300

cgctccatta ccagaccata tggagtaatt gaagatgtgt tggtcagagt gaaacattnt 360

atcttccaga cagactntaa ggtaatggat atctgtgaag atactgacat tcctataata 420

tggggaaggc cattcatgtt aactacaaga tgcat 455

<210> 2622
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2622

tctaaactnt atacaagaat gaagctctga taccacctgg tggacaagtg gcctcaaata 60

tcttaagaag ggggggttga attaagatat tacaaattat ttnccccaat tacaaattct 120

actttgattc caatacaagt tccaagttcc cttaaagatg gatttctaaa caatgattca 180

aattaaacaa tctgaatata aatggtaagc aataattaat aaaagagttt aagggaagag 240

aaagtgcaaa ctcagattta tactggttcg gccacaccct tgtgcctacg tccagtccac 300

aagcaacctg cttgagagtt ccactatc 328

<210> 2623
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2623

tatagatgca cccttaggat accacaatcc tactntaatg taccctntat gtacttaaga 60

attctcttaa caactaccaa atgagtttct ttaggattag tttgaaatct agtacataca 120

caaacgctat gcctaatatc gagatgacta gcagttagat atagaagagg gtcaatcata 180

tctctatatc ttgattcatc tacatattta catttctcaa ccgggtcaag atagcatgag 240

gtagccatat gtgttgttga ctcttgagat ttctttacac caaacctttt aagtaaatca 300

atgcaatact tggattggtt gatgaagatt ccactctcta actatnttat ttggagtcct 360

aaaaattagg ataactcccn catcatgaac atntcanact ttccttgcat ggtctcagca 420

nattctttgt acaagatatt ggtagtagct ncagatataa tgtcatctac atat 474

<210> 2624
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2624

cattgttact tccatgaata ttgatattgt atcatgctta antatatgca tttgcttatt 60

ctgatcattg cgtgttgtgt gattatttct tccatgcagg aacatgattc ctatttgctg 120

tgagagtgaa atgatgggca gcagcaccaa ctgaggtgag cttatatctc ctttgttatg 180

tcattatcca ttgttagggc ttagctctac cgagttttaa aagattggct aagattntgt 240

taaaacatca ccacttatac aatgaaggaa agctggagtt gctgcacatg atg 293

<210> 2625
<211> 180
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2625

gtctanggtc atgcctcaag ggctatccac acccttaccc atcccctctt caccttgggt 60

agacattagt atggactttg tccttgggct tcctagaacc caaagaggtg tagactctat 120

ctttgtggtg gtggataggt ttagcaagat gacactcttt gatgcaagct ccattggagc 180

<210> 2626
<211> 221
<212> DNA
<213> Glycine max

<400> 2626

gaaaataaca atttagtgcc caacttgctc cacaaagtcc tcccaaaatg gcttaagaac 60

ttagaagccc tatcactaac aatgctcctt ggcaaaccat ggagtctcac aatctccttg 120

aaaaacaaat cagccacatg ggaagcatca tcaacttttt tacatggaat aaaatgagcc 180

attttagaaa acctatcaac aaccacaaaa atggaatctc t 221

<210> 2627
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2627

tgccgccacg gagttntccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60

agcaagatat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtt gcggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgaatat tgtgagctgc angagtttgt tgaaatggat gaattgcttc acaaagcaat 360

ccaagtggag caaa 374

<210> 2628
<211> 303
<212> DNA
<213> Glycine max

<400> 2628

acaaagaatg aagaacgcat tcgacaagat tgtgtgtttg cgcaacttcc atgaaaggga 60

ccttgtgcta aaaaaggtgt cccacgctgt taaagataat cacaggaagt gggccccaaa 120

ctacgatgga cctttcgtca tgaaaaaggc tttttccgga ggggccctgc tgcttaccaa 180

catggatggc gaggagctac ctttacccat aaattctgat gttgtcaagc gatactacgc 240

ttagaatctg gggcaattca aggatatcgc tgcatgtttt tttatttta tgtgttcttc 300

ttg 303

<210> 2629
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2629

agcttatacg gtctaggatg tggntntgtg actaaattca atntagacac aagtcttgca 60

cttgccacat tggtacaact ccctccatca atgatcatca tgcaaacttt gccattgatc 120

aaacatctag tgtggaaaat gttttctcca tgaatttcct ccattgactt caattgatgg 180

ccaagtaacc gcctaatcat caacaattct ccctccggtg ttttctccac ttcctcctca 240

tcatcctcac tctcttctcc cttttcaact tcggactcac taatgtactc tccgtctata 300

agaatcatga ctttcttgtt agggcactca tatgcataat tgtccaagcc ttggcactga 360

aagcacttca ca 372

<210> 2630
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2630

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taccataatt tcttgcactg aattgttggg agttggaagc catcttctca atcaaattcc 120

tagcctcagc aggggtcata tcaccaagag ctccaccact ggcagcatta atcatactcc 180

tctccatgtt actaagttgc ctgatgccta gtactcatgc aagctctctc cactaagttg 240

cctgatgcct gaaatgtctt ttctgatggc agtggtccta gatgcaggga agaatttctc 300

cgagaacacc ctcttaaggt catcctagct gaaaatggac ctgngagcaa ggtagtacaa 360

ccaatctttt gccactccct ctagagaatg aggaaaagcc tttagaaata tatgatcttn 420

ctagacatca nggggcttca tggtggaaca aacaatatgg aactccttaa gaaatctat 479

<210> 2631
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2631

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tattttagca aagccttatc tgacaataat ttagcaaaat ctgtctatga gaaggaactt 120

atggcattgg tccttttcat tcaacattgg aggcactact cgttaggaaa ggaatttgtg 180

gtgtatacag atcacanaag cttaaaacac tttctgcagc agaggatctc ctctccggat 240

caacaat 247

<210> 2632
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2632

agcttaatgg atctgtagan aatgatactg cgccaaaacc gtttgatggc aaagatttcc 60

atgatcgtgt caaggatatc ataactatct ttgggaagac ataaaaaaaa gcaccagtga 120

gacacacatt tggaagaaaa ggtccatttt ctntgagctt ccttactggt ctgatcttga 180

cattagacat tgtatagacg tgatgcatgt ggagaaaaat gtttgtgatg gtttaattgg 240

caccccttctt aacattaaag gcaagacaaa ggatggtttg aagtgtcgtc aagacttagt 300

tgacatggat atacgagagc agttgcatcc aataccaaaa ggttcgcgaa cataccctac 360

cccagcatgt cacacaatg 379

<210> 2633
<211> 420
<212> DNA
<213> Glycine max

<400> 2633

agcttgaggg taaactagat gccttggtta acctggtaac ccagctggcc ttgaatcaga 60

aatttgtacc cgtcgcaaga atctatggtt tatgctcctc taccgaccac catacagacc 120

tttgcccttc tgtgctgcaa tctggagcaa ttgaatagcc tgaagcttat gctgcaaaca 180

tctacaatag acctcctcaa cctcaacagc aaaatcaacc acaacagaac aattatgacc 240

tctccaacaa taggtacaat cccgggtgga ggaatcatcc caaccttaga tggtcaagtc 300

cttcacaata gcagtaacaa caacaacctt attttcaaaa tgctgctggc ccaagcagac 360

cataccttcc tccaccaatc cagcaacaac aacaatagca gcaacaaccc tagaaacagc 420

<210> 2634
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2634

accatantcc cacagtgagc cagcatgtca tttcattcac atcaaaaccc atgttcaatc 60

ccttatcagc aacattcaaa atattctctt ccacataatg gttccacacc caattcacca 120

aaggcacatg attatgctcc ccatcctggt aagtcttcct tccacatgct atcttcaaca 180

caacaacccc aaaaccgtac atgtcagatt ccttgctaac cctttctttc tttacatatt 240

ccggggccag gtacccatat ggtccctcca gctttgtct 279

<210> 2635
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2635

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gagaaacatt tggtatttcc attggtttat aaacttattg agctagcttt gatattgccg 120

gtgtcgacag catcccgtga aagagctttt tcagcaatga agattatcaa gtctaaattg 180

cgcaataaga tcaacgatgt gtggttcaat gacttgatgg tatgttacac cgagcgggag 240

atattcaagt cacttgatga tattgatatt attcgaacat ttaccgcana gaagtct 297

<210> 2636
<211> 425
<212> DNA
<213> Glycine max

<400> 2636

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60

tcttctattt tcagattggg aatgcctcta acaacacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc atatggtagc agtgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300

gtgaagttta cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc 360

agtcccttca ccagcagtac tttgtccaga ctaggaagtc catcatgagc tagctttccc 420

attcc 425

<210> 2637
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2637

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aaggctagat ataacttttg cactgaatca acttagtcaa ttcctatctg ctcagaatgt 120

catcaagcag ctgctcacag agtacttcgc tatatcaaag gctcacttgc atgtggcctt 180

ttctacccag catcaaacgc tcacaagctc acagcctaca atgactctaa cttggccagt 240

tgcattgatt ttagaaaatc cattactgga tattgnttat acattggtct tttatcttac 300

cactacaagg ctagatataa cttgtgcact gaatcaactt agtcaattcc tatctgctca 360

gatngtcatc aagcagtttc tcacagagta cttcgctata tc 402

<210> 2638
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2638

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tttgatttct cttagtgagt ttaacaaaca tggctatgtg ttcaaagggg agaatgaagt 120

tatgaaagtt ctaaaaggct catgatattc atgaaagggg tgcaaaagaa tggcatgtat 180

tcacttattg gagaagtggt aatgggatca gctgctacaa cttctatcaa aaggttttca 240

aagactgaac tatggcacag aagattgaga catgtaagta ggaggggctg attaaactgg 300

gaaaacataa cctgctntgt ggagataaag tggagaaact tgacttttgt gaacattgt 359

<210> 2639
<211> 326
<212> DNA
<213> Glycine max

<400> 2639

agcttggatt tccttttagt agggaatcta ttctacctaa gatggagcat aacccagtca 60

ccctcattaa gaattagctc tttccttcct ctatagcctt tatttgaata caccttttgtt 120

tggttcttaa ccctctcatg caacttcttt acaaactctg acctagattc cccttcttta 180

tgtataaaag aagtgtctag tggaagggga atgaggtcta atggtgttag gggattgaac 240

ccatagacaa cctcaaaagg ggattgcttg gtggttctat gaacccccat gttgtatgca 300

aattctacat aaggaagata ctcatt 326

<210> 2640
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2640

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aatatatcga gtcgctcgaa attgaatacc gaagcgctga gcaaattcaa acgacaataa 120

ctntttactc ggatgtctga ttgagtcccg taatatatcg aaaagctcga aattgaatgt 180

tgaagctctg agcaaattca aacgacaata acttttttact cggatgtctg attgagtccc 240

gtaatatatc gagacgctcg aatgtgaatg tcgaagctct gagcaaattc aaacaacaat 300

aacttttac tcggatgtct gattgagtcc cgtaatatat cgagatgctc gaaatggaat 360

agcgaagctc tgagcaaatt caaacgacaa taacatttta ctcggatgtc tgattgagtc 420

ccgtaatata tcganaagct cgaaaatgaa tgttgaagct ctgagcaaat tcaaacgaca 480

<210> 2641
<211> 412
<212> DNA
<213> Glycine max

<400> 2641

agcttctaca ttcaatttcg agcttttcga tatattacgg gactcaatcg gacatcccga 60

gtaaaagtta ttgtagtttg aatatgctca cggcttcggt attccatttc gagcgtctcg 120

atatattacg ggactcaatc ggacatccga gtaaaaagtt attgttggtt gaatttgctc 180

agagcttctg tattccattt cgagcatgtc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt gcaatttgct cagggcttct gtattccatt tcgagcgtct 300

cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt gtgaatctgc 360

tcagagcttc tacattcaat ttcgagcttt tcgatatatt acgggactca at 412

<210> 2642
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2642

agctntggag tggaaatatt tgaaaatagt gtctagcgtg taaatagaat agaatagaat 60

attttcatgt ctagttctac ttttctttat tatatatttt ttgtgaaact aaaagatgct 120

ctcttttatt ttatgccctg ttttgtttat acacaaaata taaaatatat tttttgcgtt 180

atactctgtc ttatttttaac acgttaatca aatgcaatct taaaaccact aaccaaagat 240

tatctaaaag caaatgaaat gggagagaaa atggaataaa aaattgaagg aatctacata 300

tatattgtta agtcatcgaa gtctcacatg atggaatctt gaagaanaga gcggctaata 360

tctatctatc tctctctctc tctc 384

<210> 2643
<211> 453

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2643

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atgcatcctt agggcacgcc ctgtaaagat cagtgtagtc gatgcacatt cgccattttt 120

gttggccttt ttgatcatga tgaagttagc gagccaagtg gaatacctaa cttctttgat 180

gaagttggct tggaggagca tgtctacttc ttctctgact gttttgtgtc attcttctct 240

catcttactc ttcttctatg atatcggttt ggcttgggaa caaatagtga gcttatggca 300

gataatgctg gggtagattc ccgacatgtc aaatggctgt caagcgaata ggtccgtgtt 360

cttgtgtang acatcaatga ttcgtctatg cttatggctg gtgaagtccc tgttgagctg 420

cgtacactac ccgggctggg gttcgagctg tag 453

<210> 2644
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2644

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tgctagtgga gttggcattg gggctgtttt gatacaaaac aaaaggccta tagcttattt 120

ctcggagaaa ttgggaggag ccagattgaa ctattgcacc tatgacaaag agttctatgc 180

cattgtgaga gctcttgatc attggaatca ttatttgcgt tctaatcact ttatattgca 240

ttcagatcat gagtcattga agtatatcaa tgggcagcag aagttgagtc caaggcatgc 300

taaatgggtt gaatttcttc aatcttttaa tttctcttca aaatacaagg atggtaagag 360

taatgtggtg gctgatgcac tttcaaggag gtatgctnta atttcaattc ttgaaactcg 420

tttacttggt tttga 435

<210> 2645
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2645

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tcacatatat gagataccat gtaaaaatca tagataaagc aagtcctaga attctcataa 120

tagaacagct aataataata atcaattcat taaccatttc ataaaagctc aatcatcaca 180

cactatcatc ttcatcagtc catcaatcat caaataacac aatatttcta tgactcaaca 240

agtaacatat cattttcaag tcgcaattat caatgtacat gtctatctat cacaattaac 300

ccaaacacat cccttaacat agcacaatta acccatcttc atcggtccat tcctgttagt 360

caccaccgat aacctttagc actaggttga gggcccacca agcaccctca acttatgtgt 420

ctactcacat gcaatgtcat tcatc 445

<210> 2646
<211> 350
<212> DNA
<213> Glycine max

<400> 2646

tcgattacca gaacgaaaga atgacaaaca gctgctgact agggtttaga attggaacgt 60

tgaacatgta atcgattacc atatgcatgt aattgattat cagcgactgc actttggaaa 120

ttcagattcc cagtcctaca tgaaattctg atatccagtg gacagatgtc gtacacgatg 180

tgacgacatc acgcttcaga acatgcagtt tatatgtgtc cgtatgagac agattacaca 240

agtaaataac acatgagaat cgttacccag ctctggcagc ctcacctaca tctggtggct 300

accaaccggg aggaaaccac tctaatagtg tagacaacgt caacagccct 350

<210> 2647
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2647

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aagtgtaatc gattaccaga aggaaagaat gaaaaagagc tgttgaaaag ggttttgaat 120

ttgaattttg aacatgtaat cgattaccat atgtttgtaa tcgattacca gcaacggaac 180

tttggaaatt caaattcaaa agtcataact gaaattctga taccagggga cagatgtcgt 240

acaggatgtc acgacatcac gcttcagaac atgcagttta tatgtgtccg tatgaacaga 300

ttaaacaagt aaataacaca agagaattgt taacccagtt cggtgcaacc tcacctacat 360

ctgggggcta ccaagccagg gaggaaatcc actctcaata gtgttagttc aaggtctaac 420

agcccctgtt tacaaccttc tcacctaacc actacccgtg cgatctct 468

<210> 2648
<211> 454
<212> DNA
<213> Glycine max

<400> 2648

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gaagctaaaa aaaaatatag tttgtactct tacgtctttt taattaaagc ttacgtataa 120

gtgcaagcaa acactatatt agtaaaagct tataaacttt caaatagtaa aagttcatat 180

aattcacgtg tgcatatata tactgataaa aaaatattaa ctatacataa cagaacttaa 240

taaattataa ctctatcttg aaaaactatt aaatattttt ttcaatgttt cctatacaaa 300

attggcaatt tctatcttta gtttcctata caaaatccaa acgataatat actacctgct 360

tctcatatat ttcaatgttt aatgttattg cacaaagatt aaacaacatt taataaaatt 420

aaaattggta tacttagatt aaaataccct catt 454

<210> 2649
<211> 458
<212> DNA
<213> Glycine max

<400> 2649

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agctcgtaac aaatcttcta cacttggagt gatcacatgc agtcctctta aacccttacc 120

acccactctg tcatcatgcc gagactcagg aaggccaaca ggtttagcct tctcattata 180

ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgctcctag 240

acaataaaga ttctttgtat acccttttaa gatcttcatg tatcgctcaa ccgggtacat 300

ccaccgtaga taaaccgaac cacaacattt gatttctctg actagatgca caatcaagtg 360

aatcatgatg tctaagaaag caggggaaaa tacatctgca actggcacag tataattgcg 420

gccttatttt ccaactgatc aaacttgaca ggatcaat 458

<210> 2650
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2650

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgngtcaac tttatcagag agaaatcaga caccttgaa gtattcaagg 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc angagtgacc 240

ataggagaga gtttgaaaac agcaggttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac agaatggcat agttgagagg aaaaacagga 360

ccttgcaaga ggctgctagg gtcatgcttc atgccaaaga acttccctat aatctctggg 420

ctgaagccat gaacacagca tgctacatcc acaacagag 459

<210> 2651
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2651

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aataccataa tttcttgcac tgaattgttg ggagttggaa gccatcttct caatcaaatt 120

cctagcctca gcaggggtca tatcaccaag agctccacca ctggcagcat taatcatact 180

cctctccatg ttactaagtt gcctgatgcc tagtactcat gcaagctctc tccactaagt 240

tgcctgatgc ctgaaatgtc ttttctgatg gcagtggtcc tagatgcagg gaagaatttc 300

tccgagaaca ccctcttaag gtcatcctag ctgaaaatgg acctgngagc aaggtagtac 360

aaccaatctt ttgccactcc ctctagagaa tgaggaaaag cctttagaaa tatatgatct 420

tcctagacat c 431

<210> 2652
<211> 414
<212> DNA
<213> Glycine max

<400> 2652

agcttgtgtc atacttcact gtgacaatca aagtgtcatt cacttggcaa atcaccaaat 60

ttaccatgag aggacaaatc atgtagatgt gaaactacac ttcatcagag atgtgattga 120

atctgagaag gtgaaggtgg agaaggtttc aacagaagaa aacctggttg acatgttcac 180

aaagtcccta tctagtgtca agttcaagca ctgcctggac ttgatcaatt ttgaagatgc 240

ctaaggaagt ctaatagaag tgcagccctg aatacaaaga tatacacttg ctggtttgga 300

atcaaggtgg agatttatgg tgtgtgactc acaattacaa aaggcacaag tgtgaaggtt 360

tcaagtggtg ctgtcataac taacttcagt tattgaatct agttgtcata actg 414

<210> 2653
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2653

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gtaatacatc gagacgctcg aaattgaatg ttgaagctct cagcaaattc aaacgacaat 120

aacttttac tctgatgtct gattgagtcc cgtaatatat cgagacgctc gaaattgaat 180

gttgaagctc tcagcaaatt caaacgacaa taacttttta ctccgatgtc tgattaagtc 240

ccgtaataca ttgagacgct cgaaattgaa tgttggagct cttagcctat tcaaacgaca 300

attacttttt actccgatgt ctga 324

<210> 2654
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2654

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caatccatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120

gacagctttc caggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180

gtattcatag ttggttccat ccagaattgg tggtctgttc actggtcctc cttctttctc 240

catgttcatc agaatttatc tccctaggtc tcactcagtg atttcgagtg cctgctctga 300

taccaattga aattctgata ccaatgccag atgtcgtaca ggatgtcacg acatcacgct 360

tcagaacatg cagattatct ctgagtgtat gaacagatta aacaagtaaa taacacaaga 420

gaattgtaac ccagttcggc caacctccct acatct 456

<210> 2655
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2655

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ttgattgcgt ctcgtaatat atcgagacgc tcgaaattga aaacggatgc tcgtagcaaa 120

tgcaaaccgc aataactttt aactcggatg tatgattgag taccataata gatcgagacg 180

ctcgaaattg aaaaaagaag ttctgagcaa attcaaacga ctataacttt ttactcggat 240

gtctgattga gtcccgtaat atatcgagga gctcgaaatt gagaacagaa gctctgagca 300

taatcaaacc aaaataactt tatattcgga tttgcgattg agtcccgtaa tatatgaaga 360

cgctccaaat tgaaaacaga agctctgaac acattcaaac gacaatgact ctttactcgg 420

atgtccgatt gagtcccgta atatatcgag acgca 455

<210> 2656
<211> 438
<212> DNA
<213> Glycine max

<400> 2656

agctttgagc caattcaaac gacaataacg tttttctctt atgtctgatt gagtcccgtc 60

atatatcgag acgctcgaaa ttgaatattg aagctctgag ccaattcaaa cgacaataac 120

tttttactcg gatgtctaat tgagtcccgt aatataacga gacgctcgaa attgaatgtt 180

gaagctctga gctaatacaa acgacaataa ctgttttctc ggatgtctgg ttgagtcccg 240

taacatatcg agaccctcga aattgaatgt tgaatctctg agccaattca aacgacaata 300

aatctttact cagatgtttg attgagtgtc gtaacatatc gagacgctcg aaattgaatg 360

ttgaagctct aagccaattc aaacgacaat caacttctac tcggatgtct gattgagtcc 420

cgtaatatat cgagacgc 438

<210> 2657
<211> 456
<212> DNA
<213> Glycine max

<400> 2657

cttgatggtg tcgagaagaa atcacatgtt tgtcatcatc aaaaaggggg agaatgtgaa 60

tgtatgtata catgattttg atgatgccaa agaaaaatca aacaaggttg cttcaaatga 120

taagcatttg cttcaagaat aattcaagag tgcttcaaca aacaaagcct tgtttcaaga 180

ttcactaaag accaagcctt gccttaaaac aaagtgcttt caagacatgc aaggctctgg 240

taatcaatta ccaggaagtg taatcgatta ccagaagaca gggttgagaa atagctgttg 300

aaaaaggttt tgaatttgaa ttttcaacat gtaatcgatt accatatgtc tgtaatcgat 360

taccagcaac gaaactttgg aaattcaaat tcaaaagtca taacccttca aattataact 420

gtgtaatcga ttacacaaac attgtaatcg attacc 456

<210> 2658
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2658

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atgcaaggaa gaatttctcc aagaacaccc tcttaaggtc atcccaactg aaaatggacc 120

tgcgagcact gtagtatatc caatcttttg ccactccctc cagagaataa ggaaaagcct 180

ttataaagat atgatcttct tggacatcag ggggctatat ggtggaacaa acaatatgga 240

actccttacg atgcttatga tgatcttcac ctacaagacc atgaaacttg ggcagcaaat 300

gtattagtcc agtcttgaga gcatatggaa caccctcatc aagatattga atgcacaagc 360

tttcgtaagt gaaatcacgt gcatacatct ccctatgagt acttatatga ggtggaagtt 420

gagccgtgct cttagtataa aaattagtag tggaatgttc aacatcagaa tattc 475

<210> 2659
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2659

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gtttgattac tgtagaaaaa aggttcattt gattatattt atccaagaat tttggactgt 120

ttcaaactca attttgtgac attttgatta ttctaaaaag taccttcact tggtcatatt 180

tatccaaaaa attaattata gattagtgaa ttgtttttca tgtaaattta atgtttacca 240

cattaacggt tgaatgattt taaaaattga tcattaagtg attattatcg agtattctca 300

tctatanaaa tgaattaggc ttatgattaa cattatcaag atagactttc ttttattgat 360

attaacaata tanacatatc aaataagttg attatccaac gagacttgan ttttttatca 420

gtaaatatta attatta 437

<210> 2660
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2660

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gcaacagctt ctgcattgac gacactaacg aagccttggc tgttaacttc atgctccagt 120

tgtataacct cctcgacgag cctcccaccg atgttgacac tgcgctcacg ttggccaagt 180

ctttgaaccc caaaattgtc acccttggcg agtacgaagc aagcgtcaca cgtttcggct 240

ttgtcaaccg cttcaagact gcgtttaagt acttctctgc tgtgtttgag tctctggagc 300

ctaatttggc cgcggactcg ccggagaggt ttcatgtgga gagtcttctt ctcgggcggc 360

gaatcg 366

<210> 2661
<211> 410

<212> DNA
<213> Glycine max

<400> 2661

tgaaggaaaa ctgaatgcat tggttaactt ggtaacctag ctgtccttga atcagaaatc 60

tgtacctgtt gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg 120

cccttccatg cagcaaccta gagcaatcga gcagcctgaa gcttatgctg caaatattta 180

caatagacct cctcaacctc agcacaaaaa tcaaccacag cagaacaatt atgacctctc 240

cagcaacaaa tacaaccctg gatggaggaa tcaccctaac ctcagatggt ccagccctca 300

gcaacaacaa cagcagcctg ctccttcctt ccaaaatgtt gctggcccaa gcagaccata 360

cattcctcca ccaatccaac aacagcaaca acctcagaaa caaccaacag 410

<210> 2662
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2662

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ataacattca gaggatgtgg cggaacattg acattgtccg cgtatgcttg acatttatga 120

catttcctta catgggcgca gcaatcgctt tccatagtga gccagtaata accggcccta 180

aggatcttcc tggccatagc atgcccattg gcatgtgtcc caaatgaacc cccgtggatt 240

tcctcaatca tgcagtttgc ctctttggca tctacgcatc gtatgagggt catgttgtgg 300

tttcgtttat acaggatggt accacttaca aagaaaccaa tagccaatct ccttaacgtt 360

cttttgtca 369

<210> 2663
<211> 470
<212> DNA
<213> Glycine max

<400> 2663

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caacccgata cattgtgagg ccattaaaga aaaatcaggt caatacaaca ggggacccta 120

tatgaatttg aaacaaagta taaaatttaa gcaaacatgt ttgacataga cacaaaattg 180

gaagagacgc tggttaagta cctaatcata ccaccataaa ctacacccct ctgtggatct 240

ttccagcatc tgaaaaggtc ttgaatgagt tcttctcgat gaggctgagc acaaaccagt 300

cctgcatact ttgttacttc aggccagtcc tgggaggcta caacctggat taccgtaatc 360

agtatatatc aaacataggg catcccttag ttgtatatat gagtttggaa atgcttacag 420

cagcaatgga tggacaagaa tcctctcctg attctggatg aagtacatcg 470

<210> 2664
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2664

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gtctgcaagc taatgtgcag aggctgaaaa catacaaggc caaattggtt gtgttcccaa 120

gacgggcaca gaaggttaag gtaatacaga tgttcaatta tctgttttga ttgtgtgggc 180

attttcttaa ttctgatatc atcatttctg gtgaaaggta aaaaggaatg atgtttgtgt 240

gaaatctgac tgttgtttta ttgtaggctg gtgattctac tcccgaggag cttgcaaatg 300

caacgcaagt ccagggttct ttcttgccta ttgtgaggga gaagccaact gttgaacttg 360

taaaggttac agatgacatg aaggctntta aagcttatta caagcttcga cttgaacgca 420

caaacaaacg ccattatg 438

<210> 2665
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2665

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cgagacactc aaaattgaaa ccaaaagctc tgagcaaatt caaatgacaa taacttttta 120

ctcagatgtc tgattgtggc cagtggtata tcgagacgct ggaaattcag aatagaagct 180

ctgagcaaaa tcaaacgaca ataaattttt actgggatgt ccgactgtgt cccatagtat 240

atcaagacgc tcaaaattca aaacaaaagc tctgagcaaa ttcaaacaac aataactttt 300

tactcggatg ttcgattgtg tcccgtagta tatcgagacg ctcgtaattg acaatagaag 360

ctctgagcaa attcgtacga taatagctat ntactcggat gtccgaatta atcccgtaat 420

atatcgagac actc 434

<210> 2666
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2666

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actaagctta cctccttgag aagcttcctt gaaaagattc ctaaagaagc tagagcttag 120

ctacacacac ctctctaata gctaagctca cctccttgag atgagaagct agaacttagc 180

tacactcccc ctataatagc taagctcacc cctatgacaa aatacatgaa aatacaaaaa 240

aagtccctac tacaaagact actcaaaatg cctcgaaata caagggtaaa accctatact 300

actagaatgg ccaaaataca aggcctaaat gaaggaaaaa acctattcta atatttacaa 360

agataagcgg gctcatactt agcctatggg ctcaaaatat accctaaggc tcatgagaac 420

cctagggcct tcccttggat ctctgggcca atctacttgg agtcttctat 470

<210> 2667
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2667

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aagttattgt cgtttgaatt tactatgagc ttcgattttc aatttggagc gtctcgatat 120

attacaggac tcaaccggac atccgtgtat aaagttattg tcaattcaat tttctcagag 180

cttcggatct aaattttgag cgtctcgata tgttacggga ctcaatcgga catccgagta 240

taaagttatt gtcatttgaa tttgctcaga gcttctagtc tcaattttga gcgtctcgat 300

atattacacg actcaatc 318

<210> 2668
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2668

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gataatgtta ttgtcgtttg aatttgctac gagcttccgt tttcaatttg gagcatctag 120

atatatttcg ggacacaacc agacatcctg gtataaagac attgtcgttt caatttgctc 180

agagcttcga ttctaaattt tgagcgtgtc gatatattac gggactctat cggacatccg 240

agtaaaaagt tattgtcgtt tgaatgttct gcgagcttcc gttttcaatt tggagcgtct 300

cgatatatga caggactcaa ccggacattc gtgtataaag aaattgtcat ttcaatttgc 360

tcagagcttc tagtctcaat cttgggcgcc tcgatatatt acccgattca atcagacatc 420

tgag 424

<210> 2669
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2669

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ttctatcaat agacctccaa tctttaatgg agagggttac cattactgga aaacccgaat 120

gcaaattttt attgaggcaa tagacctaaa tatttgggaa gccatagaaa tagggcctta 180

tatacccacc acagtagaaa gaattacaat agatggcagt tcatcaagtg aaagtataac 240

tatagaaaaa cctacagata gatggtctga agaggataga aaacgagtac aatacaattt 300

aaaagccaaa aacataataa catctgccct gcgaatgaat gaatatttca nggtttcaaa 360

ttgtaagagt gctaacgaaa tgtgggacac tcttcgatta cacatgaagg aactacagat 420

gttaaaagat ctaggataaa tgcactaact catgagtat 459

<210> 2670
<211> 428
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 2670

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ctatacgaga catcttgcca aacaaagtca ggttaacgat aactcgcctg tgcttttttct 120

tccatgctat atgtagcaaa gtcattgatc cagtaatgtt tgatgagttg gaaaatgagg 180

ccgcaattat actgtgccaa ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt 300

ggatgtaccc ggttgagcga tacatgaaga tcttaagagg gtatacaaag aatctatatc 360

atccagaagc atctattgtt gagaggtaca ttgcagaaga agccattgaa tntttgttca 420

gaatactt 428

<210> 2671
<211> 455
<212> DNA
<213> Glycine max

<400> 2671

tctagacaaa ggctatcctc ttctgaaact tccagatgac atttaccctc tgctaaagct 60

gaaaatggcg acgaggaatg acgagaagca gatcccatac gagagtgttt gatgctgatg 120

tttcaaaaga aaagaaaaag cctaaagaag gtgataatgt tgttgaagaa gctccctcag 180

atataccatc tctaatagag ttgaagtgga tctaatatga actaatgatt cggtaattga 240

ttccctactt gttgtctaat tttgcttgtt caatccgctg cttgtgacat cctctacccc 300

acacatatat gtactaataa taaaagaaat aggaatgagg aattaattaa atgttttaaa 360

acacatttaa ataaaaacat ttcaaaagag taaaagattc acattcactt ttctaatatc 420

ataatagaac ttgtccaaat aaataacaaa attat 455

<210> 2672
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2672

agcttcaaga attatggcct catcaaacta cttgtttctc tagggagatt ctataaatag 60

acctcccatc tttaatggag tgggttacca ctactggaaa acccgcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180

aatggccgga agtgcaacaa tagataaacc tagagcagat tggactgagg aagacagaag 240

attagtacaa tataatttac aggccaaaaa tattattata tctgccctat gaatagatga 300

atactctacg gtttcatatt gtcaaagtga taaggatatg tgggatacac tacaagtaac 360

acatgaaggc acgacagatg ttaaaagatc tangataaac actttaactc gtgaatatga 420

actntctang atgaatgtan atgaaagtat acaagacatg ca 462

<210> 2673
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2673

ttgngtggag tgacaaaagc ttcactgaat tgcttgtcat gttgaagaag atgcttcttg 60

aaaataatat gttgctgaaa aatcactacg aggcaaagaa tatcgtatgt cctatgggca 120

tggagtacca gaaaatacat gcatgcccta atgattgcat attgtacaga aatcagtttt 180

ccgacatgca caaatgcccc aaatgtggtg tatcacggta caaagtaaat gatgatcaag 240

gtagtcaaca tgcaaccaca accaatgatc gtccaacaaa ggtgtgctgg tatctttcaa 300

taattccaag gtttaagtga ttgtttgcta atgaacatga tgccaaaaat cttacatggc 360

atgttgatgg caaagaaagt gatggattgc tccgacatct ggctgattca ccccaatgga 420

agaccattga tcga 434

<210> 2674
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2674

ttgagccaat tcaaacgaca ataactttnt actcggatgt ctgattgagt cccgtaatat 60

aacgagaccc tcgaaattga atgttgaatc tctgaccaaa ttcaaacgac aatagctttt 120

tactgggatg tctgattgag tcccataaca tatcgagacg ctcgaaattg aatgttgaac 180

ctctgagcca attcaaacga caataacgtt ttactcggat atctgattga gtcccgtaat 240

atatcgagac gctcgaaatt gaatgttgaa cctctgagca aattcaaacg acaataactn 300

tttactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaag tgaatgttga 360

agctctgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 420

atatatcgag acgctcgaaa ttgaa 445

<210> 2675
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2675

agctnggtat ccatgaggat tcatataaca aggtaaagat tgttgaattg ctcaagtact 60

actccaccaa gagtggtgat aagatgagga aggtcagagt gaaatctact acatcacagg 120

tgaaagcaag aaggtcatta agaactctcc attcttggag aagttgaaga agaatggtgt 180

actgtccaag acccacaaaa tttatgtgac atcctacttg gcccttacaa acacatgtca 240

accttccacg tcagccctgc tacaggagca cagacgcctg actcttagta gtcgggctcc 300

ccaacaaata ggttatctca aacctaacta atattcaaat atatttgaat atcttatcta 360

ttggcaggta ttaaattatc tataacatca tattatctac aaggtataaa tgtatgatta 420

tcttctacct ttgtctataa tccaaatgtn tatctctaa 459

<210> 2676
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2676

agctntaagg tagatattgg gcttatggtt ctttttctag cccacttatc tttgtacata 60

ttagattagg gtttcattat ttttggacct tgtatttaag gctccatagt gtagggaggg 120

tatcctagta atgtaggatt tttcatccct tgtatattag ggcacctaga ctagtttttg 180

tattaggggt agttttctaa tttcacatgc attaagtgca ctatttgatg tgtgtgtgtt 240

gggagagaaa tttaattgaa ttgggagaag cccaatccaa ctaaatattg gaacttccta 300

aggnggaggt gagtatttgc ttgttacacc ccattgccac atcatatagt cacactctgt 360

gcatgtcctt catgttntac atgcctcatg acacctaagc aaaactagca gagaatcttg 420

gacttgatc 429

<210> 2677
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2677

agctataaat ntatggtata agccataaca ccatatatta ttacaaaggt aagaaaaagt 60

caaataaaac aatcaaactt tcccaaagat ggcactcttt ctacagctac tccaagatgc 120

tatagaataa agtcaaagag attagcacaa aataggacaa atgaataaaa tgataagtta 180

acataaactc attgtcataa tcttttattt atttttataa ttattacata actcccttgc 240

ttctaattcc acttccaaac atatcctaga tatttttta tttataaaac atnttttcat 300

aataattaat ggatttaatc aacaaataac taacaataga atntaataat ttagttatga 360

aaaaaatatc aggagtacat aatatttgcc gttcntattt gagaaggaca caatatttag 420

ccagaacttt aagacacaca atgattaacc attgagtaaa cacata 466

<210> 2678
<211> 452
<212> DNA
<213> Glycine max

<400> 2678

actaagctta tggaaacttt ccaaagtcat ctatctataa ctattccata caagtacgct 60

taaatatgaa gtttgtaagt gatggatgac tgaaaaatac atcttattta tattgataat 120

actaattaat tcttttaggt catgcttaga tgtacatacc atgcccaaac aacatctaaa 180

tctctatcat tttggtgtga ttcgattgag tattacattg ctgttgatat ctacttaatt 240

cttattttca tttatctaaa attaaagatt atgtttttga agcaatgcaa tatttgtgtt 300

tgatatttct ttatattcta agatgatata ttatcggtag caaccataca catattattg 360

ctcttacttc atcttagttt aaaagaattt gcacaataaa taataaaaat atttgttcgt 420

tactctctta gtaaactcta aaatataaaa at 452

<210> 2679
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2679

agaaactcga gcttatatga caatggtgga taactcccac cttggaagct ctgattatgt 60

gatagtgcta aaatgaaggc ctggtattga gattcatcaa ttattcttag gagtttcatt 120

tctattcacc atcaatgtaa aatttttgt attatcaatc aataaaaaat catattagat 180

aattatcaga aaaatcaata aacttattat atatgacata atagtttaag attgataaca 240

atgtaaaagt caataaatac tatgagtttc tcaatgtttt tagtcacaac ttggcacttc 300

ccatggcagg tcacaaagct catggatagg gtggaaaaaa cattcactaa gcacttctac 360

aactcanatc gtaataaagc catgagcatc ttaagaccaa aagcaaaaag agaaagacat 420

agagttacat tttccacggg taagcaccaa gatattcatg tatatat 467

<210> 2680
<211> 442
<212> DNA
<213> Glycine max

<400> 2680

tgtccaccgt agcctttgcc aatattgcat tataaattat tgatgtgaaa ctttaattat 60

gatggaacaa caatgctaaa aatacttaag tttaagtaac tgcacataag gtttgtcctt 120

ctaagaatag ttggagagtc tgatattctt attaaaattg aaattggttt tgcaattgca 180

tgcaggcctg tatcaggggc ttccatgaac cctgcaagaa gtattggtcc ggcacttatc 240

aaacatgttt accaagggtt atggatatac gtagttggtc caattgttgg atccatagct 300

ggagcacttg cctataattt tcttagatcc ccatacaagc caccatcaga ataaaccaca 360

tggctggctt tcttgaagag cagtgaataa accacatgct gtctaataat gtacccagtg 420

ccaaaaaact cctcgctata tg 442

<210> 2681

<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2681

tgtgaagctc ctgttntagc tttacccgat tntactcaac catttgaagt tgaatgtgat 60

gctagtggag ttggcattgg ggctgttttg atacaaaaca aaaggcctat agcttatttc 120

tcggagaaat tgggaggagc cagattgaac tattgcacct atgacaaaga gttctatgcc 180

attgtgagag ctcttgatca ttggaatcat tatttgcgtt ctaatcactt tatattgcat 240

tcagatcatg agtcattgaa gtatatcaat gggcagcaga agttgagtcc aaggcatgct 300

aaatgggttg aatttcttca atcttttaat ttctcttcaa aatacaagga tggtaagagt 360

aatgtggtgg ctgatgcact ttcaaggagg tatgctttaa tttcaattct tgaaactcgt 420

ttacttggtt ttgagac 437

<210> 2682
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2682

agcttatata tatgtnttat taatatactt attttaatct gaacgtcttt ataattctga 60

ttgtatttat gtgctctcaa tatattgata tattataaag ttgaaaatta tattcatcca 120

atatgatttt atgacttaac atgttaagaa agctaactag taatattttt taatcacata 180

tcacattcta atttgcataa aagagagaca taaaatataa taacacactt taatttattt 240

ataagaataa tatagaataa tataaaaaat attatgaaat cataactttt ttgtaaacga 300

aaattagact ctctttagtt gtaggtccaa tatcattgca cctttaaacg acgtttaaga 360

cctgaataga nacatataat acatcgacct gatcaacata tgtgaattgc tctaacttaa 420

tgatcacagt gttatagcaa gtatcatctt cattct 456

<210> 2683
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2683

gaaactaagc ttcatcactt tggcaagaac atttggagga gatcaagtag tggtcaatac 60

aaatagagta atggggacat agtaagtact taatgagtca catattttca tattatgatg 120

caacccattt tgacatccaa attttaattn tgtgtgtcta ctgcagtggc tatatgccta 180

ttgaatatgc attgatggat ctttttttaat caaatctaat gtgttcagct ttggtgtact 240

tgtattggag ataattagtg ggggaaagaa taaaaaattt cacaactctc agcatcatca 300

aaatttttctt agtcatgtaa gattaaagtc tatattaatt tccttatctt gatgtattat 360

ttcaagttgc aatcatccaa tactaactgt tgtgtcctaa ttaaacatgc acgattctct 420

gattcggata gctataaatg gaaatgttaa aaatt 455

<210> 2684
<211> 419
<212> DNA
<213> Glycine max

<400> 2684

agcttgcctt gccccttgat atatatgaag gactcatggt cactatgaat gacaaattcc 60

ttgggataaa gatagtgtag ccatgttttc aaagctcgta ctaaagcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttatt gcatcaacac agcctcaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt atgggggcat tagctaactt ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catttgaaac caacattctt cttgagcact 360

tcattgagag gtgctgccaa tgtgctaaaa tccttcacaa atctgctata aaaacttgc 419

<210> 2685
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2685

gggatcctta agtcacctgc tgctgcagct tgtttccaan acaagttaaa ttatttttct 60

agtcttcaca acctaactct agctttctct ttcccatgtc aactatgcaa cttgcaatca 120

aaatgaatgg ccttcccaag attacaacga tgtcagtatc ttcatagata tccatgacca 180

caaagactgc tgcgaagata aaatgcttta ccctgaccaa cacgtcttca atcactccat 240

agggcctgcg gatggagcga tcaactaatt gcatagtcat tcgagtggac ataatctcta 300

actctcccag tcttctgcac atggaagagg catcaaatta atgatggctc acagatcaat 360

cagagtcttt ctcctctcta ttgaacaagg at 392

<210> 2686
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2686

tgcttaacta tgtatggcaa aatntcatta ctgttgttca agacatacaa gtgaacttgt 60

aacanatctt ctacacttgg agtgatcaca tgtagtcctc ttgaaccctt accacccact 120

ctgtcatcat gccgagactc angaaggcca acaggtttag ccttctctaa gtattctgaa 180

caaaattcaa tggcttcttc tgcaatgtac ctctcaacaa tagaagcttc tggatgatat 240

agattctttg tataccctct taaaatcttt atgtatcgct caaccgggta catccaccgt 300

agataaacag gaccacaaca tttgatttct ctgaccagat gcacaatcaa gtgaatcatg 360

atgtcaaaga aagcacgggg aagatacata tccaactggc acagtataat tgcgggctca 420

tttccaactc atc 433

<210> 2687
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2687

aatagtgtct agcgtgtaaa tagaatataa tagaatattt tcatgtctag ttctactttt 60

ctttattata tattntttgt gaaattaaaa gatgctctct tttattttat gccctgtttt 120

gtttatacac aaaatataaa atatattttt tgcgttatac tctgtcttat tttaacacgt 180

taatcaaatg caatcttaaa accactaacc aaagattatc taagagcaaa tgaaatggga 240

gagaaaatgg aataaaaaat cgaaggaatc tacatatata ttgttaagtc attgaagttc 300

acatgatgga atgttgaaaa aagagcggta atatctatct atctctctct ctctctctc 359

<210> 2688
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2688

ttcgtgttaa tggacgtgaa taatacttcc gattaccatn ttctctctct ctctctctct 60

ttctctcttc tgtgggagga cccttgggcc tcgaatacca agcataacac tgttctacaa 120

ctgtggttgg tgatcaggta cgagatatga agtatgaagt ggcgtgggag cggcgagcgc 180

aaagtaattg ttgatgatgg cgagaaagat tatacacata aaacataaag actggattta 240

gaattatgaa gataggaatt aaatacggat cataatattc tcttatagaa catttaatca 300

aaattgaata atatcagatt atgaaaaacc attgaacttt aattaataag ataagaatta 360

aattatatta tctgatgcga taatataagt cacgtgatat ctcataatta cataatataa 420

atcatatcaa ta 432

<210> 2689
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2689

agctntctgt ttcaattgga gcgtctcgat atattactgt actcaatttg acatccgaat 60

ataaagtttt cttcgtttga atntgctcag agcttctgtt ctcaattccg tgcgtctcga 120

tatattacgg gactcaatcg gacatccgag taaaaagtta ttgtcgtttg aatttgttca 180

gagcttctgt tttcaattgg gagcgtcttc atatattacg ggactcaatc gcaaatgcga 240

atataaagtt attgtggttt gaatatggtc agagctttct gtctcaattt cgagcttctc 300

aatatattac gggactcatt cggacatccg agtaaaaagt tatcgtcgtt tgaatttgct 360

cagaacttct gttttcaatt tcgagcgtct cgatctatta tgggactc 408

<210> 2690
<211> 510
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 2690

ccttgcccca tgatatattt gagggactta tgatcactat gaatgacaaa ttccttgtga 60

taaaggtagt gttgccatgt tttcaaagcc cgtactaagg catacaactc ctaatcataa 120

gttgaatagt taagggtagg accacttagc tcttcactaa aataagcaat tggatggcct 180

tcttgcatca acacagcccc aatcccaaca tttgaagcat cacactcaat ttcaaaagat 240

ttttgaaagt ttggcaacgc gagtatggng gcattaatta gcttttgcta caaacattga 300

nnagctcttc tcgtttctct ccccatttga aacgcaacat tttcttgagc acttcattga 360

gaggtgctgc caatgtgcta aaatccttca caaatcgtct ataaaaactt gctaagccat 420

gtgtcgcaac ctacccttca gcgggagggc gatgcgtgac tcgtcggatg cgtgttccac 480

gaaaggaata cgcgcggagt cgccactaat 510

<210> 2691
<211> 254
<212> DNA
<213> Glycine max

<400> 2691

tattctcaac agtcacatct ttttatttgg gtcttgaatg gctatcaaag acctatatat 60

atgtgacttg agacacaaat ttgagaagag tttttcagaa caaaaaggtc ttatcctctt 120

aaaaagcata atcagttcat cctcttaaaa aattcttggc caaaacactc gtgattcaat 180

aaggaattat ttgagtgctc aaattgttca atctatctct ttcaagagag aatacttctt 240

ctcttcttct ttat 254

<210> 2692
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2692

cgttaatcca tggaagctcc taatatctcc cacactnntt gnggtgggtc attcttggat 60

ggccttgatt ntctcaagtt ccacttggaa cccatttcta ccaactacaa aacctaagaa 120

aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180

aacgattgaa agaacttgcc tgagatgtcc taagtgatca tctangctcc tactgtacac 240

taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacataatg 300

cataagcctc at 312

<210> 2693
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2693

caagactact acagtcattt ctagattaac acaattaatc aagcagtcaa aacgatatag 60

acaagattaa aaaatgtgac tttataaacc ataacatcct agacatgtcc actgtagcaa 120

agattaaaat atgaaataca aataaccaag catttaacag caaggcttca ctgatatgta 180

aacctttaaa acaagctcct tggttgtgtg tgttgctatg gaaacactac gctgcacaat 240

actagacact atctctttga tagctctgtc cattgcaatg ggtaccgctc tgtaaaaaaa 300

taacaatacg aaatagtaac tcagacatat agattcgaaa aacaagcaga acattaaagt 360

gagcaccata cctctganaa tgcatttg 388

<210> 2694
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2694

agcttgtagg cctnggatct tcttcatcaa tggagtcctt tgcttcccga tgatcaatgg 60

aagcggaatg gagatggaaa aaagatgatt ggagacgcca cttcaaggag aagatgagtc 120

aagaagaagc tcaccatcat aggaagccat ggataagaac ttgaaggtan gagaagatgg 180

gtggagggag agggagagaa ggagcacgaa attttgtgtc ttanatgagg tctgaactct 240

gaagtgtaat tctcaaatga tcaaagttga aaaaatgcac acacatggtt gttatttata 300

gtctaagtgt cacanaaatt ggaggaaaat ttgaatttct attcaaattt cacttcaatt 360

tgaaattgaa tnntgtggag tcaaatttga agccaacaat tcactaatta tgattagtga 420

atnttagttg tggttcagcc cactaatcca aaatcaagtc caagattctc cactaagtgt 480

<210> 2695
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2695

agaatcaatg acaatgctta caaagntgag ctgcccggtg agtataatgt taattccacc 60

ttcaatgtct ctgatttatc tctttttgat gcagatggag aatctgattt gaggacaaat 120

ccttctcaag agggagagaa tgatgaggac atgaccaaga gcaagggcaa ggatccactt 180

gaaagacttg gagggcctat gacaagggct agagcaagga aagccaagga agctcttcaa 240

caagtgctgt ctatactatt tgaata 266

<210> 2696
<211> 524
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2696

agcttcctta agaagattcc taaagaagct agagcttagc tacacatacc tctctaattg 60

ctaagctcac ctccttgaga tgaanagcta gatcttagct acacaccccc tataatagct 120

aagctcaccc ccatgacaaa naaacatgaa aatacaaaaa aaaagtcctt actacaaaga 180

ctactcaaaa tgccccgaaa tacaaggcta aaaccctata ctactagaat ggccaaaata 240

caaggcccaa acgaaggaaa aacctattct aatatttaca aagataagtg ggcccatact 300

tagcccatgg gctcaaaata taccctaagg ctcatgagaa accctgggcc ttcccttaga 360

tctctagccc aatctacttg gagtcttcta cccaatgccc ttgcgggata ggattgcatc 420

attccctcca ccttggaaag gatntgacct canatcccga ggttcttcat actctgggct 480

ccttccctca acacctggta aaagaacana aacatatgta ttag 524

<210> 2697
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2697

gcttgtggga atttgtgata gtgaatttgc cggagatgtt gatgatatga aaagtactac 60

cagatntgta ttttttatgg gtgattgtgt ttttacatgg agttctaaga agcaaggcat 120

tgtgacactt tctacttgtg aagccgagta tgtagctgca acttcttgca catgtcantg 180

ccattggcta agaagattgt tggaggaact tcagttgttg caaaaggaaa gcacacagat 240

ctatgttgat aatagatctg cacaagagct tgccaagaat ccggtgtttc atgaacgaag 300

taagcatata gatacaacgt atcatttcat tagagagtgc attaccaaga aagacataga 360

attgactcat gtgaaaactc aagatcaagt tgcggatatt ntcaccaagc ctctc 415

<210> 2698
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2698

agctanacat tatactntga gcgtctcgat atattactgt actcaatcag acatccgagt 60

aaaaagttat tgccgtttga attggctcag aggttcaaaa ttcaatttcg agcgtctcga 120

tatattacgg gactcaatca gacatccgag taaaaagtta ttgtcgtctg aatttgctca 180

tagcttcaac attcaatttc gagcgtctcc atatattacg ggactcagtc agacatccga 240

gtcaaaagtt attgtcgttt gagttggcct agaggttcaa cattcaattt cgagcgtccc 300

gatatattac gagaatgaat cggacatccg agtaaaatgt tattgtcgtt tgacttggct 360

cagagcttca acattcaatt tcgagcgtgt cgatatatta cgggactcaa t 411

<210> 2699
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2699

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gtcttactgg tttagctcca tcctctaaat ntattcgatg catacatgtg gatgggctaa 120

taccaggaat gtccgccagg gtccagccta tagccttctt attcttcttg agaacagaca 180

acaacttctc ctcttgctca tcagcaaggg aggcagatat aatcactgga aaacttttgc 240

tatcatccaa gtaagcgtat ttcatatttg atggcagagg cttcaattct ggtgtggtcg 300

gctggatagt ggtagaaaga gatggtttct tcacctgtac ctcataaaga aagtcagagg 360

tatgtgtact tcctanaata tggttagtcc tatctgactc tataaaatca atctcaagag 420

gtaaaacacc accaccagac atgcaatcaa tatcacttct agattcactc tcagcatcag 480

attcagacct atga 494

<210> 2700
<211> 231
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2700

ttctcaaggt ccacttggac cccatttcta tcaactacaa aacctaagaa aactatatta 60

tctacacaaa aggtacactt ctctatattt gcataaaggg cgcttttcct aaagactgaa 120

agaacttgtc tgagatgtcc taagngatca tctatgctcc tactatacac ttaaatatcc 180

tctaaattaa caactacgaa tctacctatg aaatccctta agacatgatg c 231

<210> 2701
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2701

agcttctgct ccaggatata ctntgagcta ctatggttat tcttgataac aaaatgatta 60

ggcagtaaat aatgtctcta tttttgaact acaaggacca ctgccaaaag ctctttttca 120

taggtagata gagattgttg cttcttgttt agtgtcctgt tgaagtangc aatggaatga 180

gagtcctaca ttaaaatcgc ccttatacca aaacctgaag catctacttc aaccacaaaa 240

tccttggaaa aattangaag agataagaca ggagtagaag acagaaacta ttttatatgt 300

tggaaggcta atatcatcaa agaaaactag caaaaatttt ctaaagaatt gtttgaaaac 360

aacattcata aggccttgat aggttgcagt agcattcatg aagccaaatg gcatgaacag 420

gtattcataa tgaccaccat atgttctgaa tgcagtctt 459

<210> 2702
<211> 322
<212> DNA
<213> Glycine max

<400> 2702

tcaacattca atctcgtgcg tctcgatatg ttacgggact caatcataca tccgagaaaa 60

aagtattatc gtttgaattg gctcacagct tcaacattca atttcgagcg tctcgatatg 120

ttacgggact caatcagaca tccgagtaaa aaattatggt cgcttgtatt ggctcagagc 180

ttcaactttc aatttccagc gtctcgatat gttacgggac tcaatcaaac atccgagaaa 240

aaagttattg tcctttgtat tggctcagag cttcaacatt caatttcgag cgtctcgata 300

tgttacggga ctcaatcaca ca 322

<210> 2703
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2703

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caatagaatg gagaaagaag atgattggag atgccacttc aaggagaaga tgagtcaaga 120

agaagctcac caccatagga atccatggat aagagcttga aggtaggaga agatgagtag 180

agggagaggg agagaaggag cacaaaattt tgtgcctcaa atgaagtctg aactttgaag 240

tggtaattta aaatgatcaa agttgaanaa atgcacacac atgacctcta tttatagcct 300

aagtgtcaca caatattgga gggaaatttg aatttctatt caaatntcac tagaattcgt 360

agagccaaaa tttcactaat tatgattaat gagatttagc tatggtttag cccactaatc 420

caagatcaag tccaatattc tccactaagt gtgcttaggt gtcatgaggc atgtaaaaca 480

tg 482

<210> 2704
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2704

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atgatgtcgt cacttcattt ggctntgaaa agaacatcat ggatcaatgt atataccaca 120

aggtcagtgg gagtaagatt tttttcttgt gttatacgtg gatgacattn tgcttgcaac 180

taatgataag ggtttgctat atgaggtgaa ataatttctc tcaaagaact ttgatatgaa 240

ggatatggga aatgcatttt atgtcattgg cattaagatc catanggaaa gatctcgagg 300

aattntgggt ttgtctcaag agacttatat taacagcatt ttagagagat ttaacatgaa 360

agatngtcac caagtgtagc tcccattgtg aagggtgaca nactcactct gagtcagtgc 420

ccgaaaatga tttgagcgga acacatgana atactccata tgctcagctg ttggaagcct 480

attatgctca ta 492

<210> 2705
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2705

tcgccgagtg gagcggnctc ttctncagct tcgactgcac catggtctac ctncgccaga 60

aagatgaccc ctggaactcc atcttcggcg gcgccggcac cggcggattn ctctccatgc 120

gccagggcct ncccgccagc gcccgcttcg ctgagttcag cggcgtcctt ctcgctctca 180

tcgaaggcgc cggcatcatg ctcaacaagt tcctcatcgc gcagcaaccg atgccgatga 240

ttgtcgatga gcctcttccg nctaacgggc tacc 274

<210> 2706
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2706

agctngatta anatattnta tntagttntg gttcctcttt cttgtatact tcttacactt 60

ctaatgtacc ttggttatgt ctcctttagc attttattct gataaactta ttatccatca 120

tgaaaaaaga aacctactct tttttagcag atttttgttt gctttgtatg atattaatgt 180

tggaacaggt tggtcgaatg acattgggtg gattattggc tcttgggtac attgttgttg 240

ttagttacaa gcgtgcctcc acaactgtca ataatggcaa nggttcaatg tctttagaaa 300

ctattgatgt tcttggtgag acgttcatgg tgatgagagg aactaataga aaggtatgta 360

ctttttttcct atcacactaa atttatgtcc atntaaaatc caatcttctt gattgcattt 420

actctntact ttcaagttac tcatcagtca tcatgttcac tttatgcaaa taatctt 477

<210> 2707
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2707

agcttaataa atcaatctat ggctngaagc aagcctcctg ccaataggta ttgaagtttc 60

atgatgtcgt cacttcattt ggctttgaaa agaacatcat ggatcaatgt atataccaaa 120

aggtcagtgg gagtaagatt tttttcttgt gttatacgtg gatgacattt tgcttgcaac 180

taatgataag ggtttgctat atgaggtgaa ataatttctc tcaaagaact ttgatatgaa 240

ggatatggga aatgcattnt atgtcattgg cattaagatc catanggaaa gatctcgagg 300

aattttgggt ttgtctcaag agacttatat taacanattn ttagagagat ttaacatgaa 360

agattgttac caagtgtagc tcccattgtg aagggtgaca aactcacttt gagtcagtgc 420

ccgaaaaatg aatttgagcg ggaacacatg anaaatactc catatgcttc acgctgtgga 480

agccttattt atgc 494

<210> 2708
<211> 235
<212> DNA
<213> Glycine max

<400> 2708

atacaatgca gcttggtatc aaatttgccg cacaaaggaa tgagttacgt gatcttaccc 60

tactacaaag aagctgtggc cattaacgtg ccatgactcc acagtgtctt cagtgttctc 120

aaacacaacc tctattaagc ctccgaaatc ggcttccatg acagaagttt gaatggagcc 180

accactacca atggggtagt caaggatact ttccaaggag aacacccctt ggatc 235

<210> 2709
<211> 192
<212> DNA
<213> Glycine max

<400> 2709

catgagcttt cccttaccaa cttcaccaat agcattacca ccattctctt catcatcttc 60

ctccttatca ttcaactcat tctcaatctt cccacttccc ttctttttct tggtctggat 120

ataccctatt agctaataag ccaaaaccac agctcctgtc atctgactaa taacaatgcc 180

agcaacagca cc 192

<210> 2710
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2710

atgtctgatt tagtcccgaa atatatcgag gcgctcgaaa ttgaatgttg aagctctgag 60

caaattcaaa cgacaatatc tttttactcg gatgtctgat tgagtcccgc aatatattga 120

gacgctcgat attgaatgtt gaaactctga gcttattcaa acgacaataa ctttttactc 180

ggatgtctga ttgagtcccg tnatatatcg agacactcga aatggaatgt tgaagctctg 240

aggatattca aac 253

<210> 2711
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2711

agcttcaaca ttgaatntag agcgtctcga tatattacct gactcaatca gacatacaag 60

tgaaaagtta ttatcgtttg aaaatcctca gagcttcggt attcaatttc gagcgtctcg 120

atatattacg ggactcaatc acacatccgt gtaaaaagtt attgtcggtt gaattagctc 180

tgaggttcag aattcaattt cgagcgtctc aatagattac cggactcaat cagacatccg 240

agcaaaaagt tattgtcggt tgaattagct cagagcttca caatttaatt ttgatcgtct 300

caatatatta ccggactcaa tcagaca 327

<210> 2712
<211> 282
<212> DNA
<213> Glycine max

<400> 2712

tatgaccatt tgaatttcat gagagcattc attattcaat ttctataatc tcgatacatc 60

atgggcctca atcatactcc catgtcaaaa gttatggccg cttgaattgg accagagctt 120

caatgttcaa tttcgaacgt ctcgatatat tatgtgcctg aatctaacat ccgagtgaaa 180

atattctacc atttaaatgt ctagagagca ttcgctattc aatttcgagg gtctctgtat 240

attattttcc taaatctgac attcgagtga aaagctatga cc 282

<210> 2713
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2713

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cgagacgctt gaaatngaat accgaagctc tgagcaaatt caaacgacaa taactcttta 120

ctcggatgtc cgatcgagtc acgtaatatg tcgagacgct cgaaatagaa taccgaagct 180

ctgagcaaat tcaaacgaca atacctattg actcggatgt cggattgagt cacgtaatat 240

ctcgagaccg ctcgaaatga ataccgaagc tctgagcgaa ttcaaacgac aataactttt 300

tactcggatg tgcgattgag tcccgtaata tgtcgagacg ctcggaattg aataccgaag 360

ctatgagcaa attcaaacga caataacttc ttactcggat 400

<210> 2714
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2714

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taaaaagtaa ttgtcgtttg aatttgctaa gagctgcggt attcaatttc gagcgtctcg 120

atatattacg ggactctatc agacatccga gtaaaaattt attgtcgttt gaatttgctc 180

tgagcttcaa cattcaattt cgagcatccc gatatattac gggactctat cagacatccg 240

agtaaaaagt tagtgtcatt tgaatttgct ctgagcgtca acattcaatt tcgagcgtct 300

tgatatatta cgggactcaa tcagacatcc gagtaaaaag ttatgggtcg cttgaattgt 360

tcagagattc aacattcaat ntcgagcgtc tcgatatatt acgggactca atccgacatc 420

cgagtaa 427

<210> 2715
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2715

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aatgtctctg acttatctct tntttatgca gatggagaat ccgatttgaa gacaaatcct 120

tctcaaaagg gagacaatga tgaggacatg accaagagta agggcaagga tccacttgaa 180

ggacttggag gacctatgac aaggggctag agcaggaaag ccangaagct cttcaacaag 240

tgtttntcat actatntgaa tacaagccca agtttcaagg agaaaagtcc aaggttgtga 300

gttgtatcat ggcccanatg gaggaggact aaatggcacc actttgtctc aatttagagt 360

gttagttngc taaataatgg ccaatccctt gtaagtggtg acaaaatatg tttgggtaat 420

<210> 2716
<211> 161
<212> DNA
<213> Glycine max

<400> 2716

catagccttc ttccttaatt ctctttgaga gttctgctaa gaattcatgc atatcacttg 60

ttattgggtg gcatgtatct cctactaaga acacatgcac ttgtctttta atttcaatcc 120

atctcttacc tggcttcttc actatccccc tattgtgcat a 161

<210> 2717
<211> 428

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2717

catgcaagct ngtgctattc caagttcatt aatcatacct ttattctcag atgcttcctt 60

cactccttca gttagggcca tgtattctgc ttcagttgtt gaaagagcaa caactgattg 120

ttgatttgct ttccaactga ttgttgtacc aaacaaagta aacacatatc ctgttaagga 180

cttccttgtg tctacatttc ctgcaaaatc tgcatctaca tagcctgtga ctactgcctc 240

gtgtgcttgc ttcttgtacc ttanaccagc tttcaaagaa tccattagat accttaatgt 300

ccacttcaca gcttcccaat gtgcgctttc aggatctccc atgaatctgc ttataatact 360

tacaacatga gctaagtcan gtctgctgca aaccatttca tacattatgc ttncaacacc 420

actggcat 428

<210> 2718
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2718

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tgcagaataa caatatgata gcaatacatg atagatttga cataataata tgagtttgtt 120

agcacaaaca caggaataaa gagaattctc tcaaacaaaa agtaattggt acaaaaattc 180

ttatacatgt aacttccaaa ctaataaagg cttctctaat ataatatgat agatttgaca 240

taacaaaatg ataccaataa atctgcaaaa caacaatacg atacaaatac atgatagatt 300

tgacataata atatgagttt gttagcacag acacaggaat aaagagaatt ctctcaaaca 360

aaaagtaatt ggcactgaaa ttcttataca tgtatacttc aaactaatag aggcttctct 420

aatgcaagct atttgtagct ntcttaacta actacta 457

<210> 2719
<211> 237
<212> DNA
<213> Glycine max

<400> 2719

acctatggat gctaactcaa gatcgtgtgt gggataattc tctttcatga atttgagttg 60

tcaagaagca taagccacta cctgtccccg ctgcataagc actccaccca aacccatctt 120

gaatgcatca cagtacccca caaagggttc actcgggtcg ggtaacacta aaactggtgc 180

agtggtctac ctttccttaa aggtacggaa actactctca cactggggca tccacac 237

<210> 2720
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2720

ctaagctaag ctccttaact gcacaaggct cnttaatatt gaagagtatt cttgtgggac 60

cttgacccga cgaagacact aacaaaaact tatcttctcc tttttggaca aagtatgaca 120

agttggaggc aagtatatnn tttttccaat aaaccttgga tgcaactgcg atcgtataca 180

ctgtcacata catttttctc tacatgcata acatcgatac aatgtctaac atctagatca 240

gaccaataca gaagatcaaa gaaaatggac ctcttcttcc atatgcaagt cttactttca 300

tccttcttta gggtattntc agatacagta ttcaggtgtt caatccgcta gaagacctcg 360

tgaccagtca atggtatcga cgcagtttcg tgctcttaac ttncattaaa aagctttttc 420

aatcgtct 428

<210> 2721
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2721

ctgacttgct ttccaatctg acattcacca cagattctgc cttcttctat tttcagattg 60

ggaatgcctc taacagcact tttgtcaagg attntcttca tgcctcttaa gtgcagatgt 120

ccaaaccttt gatgccatat tctgacttca tcttctttgg tggatagaca tgtggaggaa 180

tagctcggtt cttggggtgg tcatangtaa caattggtct ttgatctgct tgccttcatt 240

agaacttcac tcttctcatt tgtcaccaag cattctgact ttgtgaagtt tacattgaat 300

tcttcatcac acagctgact gatgctcatc aagtttgcaa gcagtccctt caccagcagt 360

actttgtcag actaggaagt catcatgaac tagctttcca ttccaatgat c 411

<210> 2722
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2722

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nttttttaaa aagaataatt cagtaaataa ttataaaatt atatggttta aagaatttgt 120

aacagtaatg aatgatataa tgatgatcat tactatcgtg tatatgtaat aacataaaaa 180

tagatataag ggttttctag acaactaaca naaaaagata aaagaacttt tagattgaat 240

aaaaggataa aataaaattt caaataaaat agtatggata atntaaaaaa caacttataa 300

aataatttat tttccataag ttacttcaat tagttaatgg aaaataaact act 353

<210> 2723
<211> 203
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2723

agcttaagaa acagntatag gagttgtggg agaagttgtt tgtgatatcc agtgtgtctc 60

catggggagc accagtgttg ntagcgaaga agaaagatgg gaccatgagg ttatgtgtag 120

actatcacca attgaataag gtgacgatta agaataagta ccctttgcct tacctggtag 180

gagcttatgt gtttagcaag ata 203

<210> 2724
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2724

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canaacattt acaaccaaag atatgaagat gtgagatgtt tggttttctg ccattgaaca 120

attcatatgg agttttcttt aaaatgggtc ttattaaagc cctatttaaa atgtagcatg 180

cagtgttaac ggcttcagcc canaagtatt ttggaagagg agtatcattt aatanagttc 240

tagccatctc ttccaaagat ctattnttcc tttcaacaac accattttgt cgaggggttc 300

ttggtnngtg aaaagtatgc tcaattccat gcttttcaca aaataattca aattctttat 360

tttcaaactc acccncatga tcactcctaa tagatataat cttgagaatt ttctta 416

<210> 2725
<211> 238
<212> DNA
<213> Glycine max

<400> 2725

tattccttag tcatatgcca tgacaataaa caaatctcat ggccagtcac tagaatgtgt 60

cggactttac ttgccctaat aatgtaagat ttttcagccc ttgtatttta gggcacctag 120

actagttttg tattaggggt atgtttgtaa tctcacatgc attaagtgca ctatttgatg 180

tgtgtgtgtg ttgggagata aatttaattg aattgggaga agcctaatcc aattaaat 238

<210> 2726
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2726

actaagctgc taccatggaa ctctaattct ccacactnnt tggtgtgggc cattcttgga 60

tggccgtgat tttctcacgg tccatttgga ccccatttct accaactaca aaacctaaga 120

aaactatatt atctacacaa aaggtacact tctctatatt tgcatagagg gtgtttttcc 180

taaggactga aagaactttt ctgagatgtc ctaagtgatc atctaggctc ctactataca 240

ctaaaatatc atcaaaataa tcaactacaa atctacctat gaaatccctt aagacatgat 300

gcataagcct cataaaggtg cttggtgcat tagtgagccc aaaaggcatc actagccatt 360

catacaaacc aaacttggtc ttgaaagcag ttttccactc atcacccttt ttcatcctg 419

<210> 2727
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2727

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tnttttttctc ataatcgtgc tactcactcg ttaatcccac agattggaat tgttcgcgct 120

cagagaaacc aagcccaaaa ccttaacaac ttcacgcatg atgaacaaga agaatagatt 180

gggctgttag acaagtggcc tcagatatct ctaagaagga ggggttgaat taagatatca 240

aagactatnt ctcaattaag attttaactc tcttcttgat taataattac ccttatatga 300

atactcaaag atat 314

<210> 2728
<211> 251
<212> DNA
<213> Glycine max

<400> 2728

tgtactcata gatagattca ataatggttg catacttatg atgcacatca ccattccctt 60

taatcacatg aagatcatgg agggagtatg aatgttttct tatgctcggc caacacatta 120

aaaatattat atgatatatc ttgtgtggaa gtaggtcaac atttctatta tcaaataagg 180

agtttcaaat tacatgccca agtacttatt acttcttggg ttgtaattgt atttgaaagg 240

caaatatcac a 251

<210> 2729
<211> 257
<212> DNA
<213> Glycine max

<400> 2729

tcgcgttata tatcgagatc cccggaattg gtaacggagg ctctgagaaa tttctaacga 60

cattaacttt ttactcggat gttcgattgt gtcccgtaat atatcgagac gctcgaaatt 120

caaaatagaa gctttgagcc aaatcaaacg acaattactt ttgactcgga tgtccgatgg 180

agtcctgtaa tatatcgaga cactaaaaat tgaaaacaga ggcactgaga aaattcaaac 240

gacaataact ttttaca 257

<210> 2730

<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2730

agctngcact tatatatgaa gcatcagata ctaattatta agaatctata gaacctcgag 60

atatgtacaa ctgcaaacaa caaggcatat gttattcatt caattattca agtcttctaa 120

ctagcaaaca gaatcaacaa cttaagaaca aaacctgaat caaaatggaa atctttccat 180

gtttattgga aggaccaccc ttaatttcta atggacatga tgtgcgtgcc aacatctcta 240

gctcattctg ttcttctttc cgaacagcaa tattctcana ttcagatgaa tggtgcaatc 300

atgtaatca 309

<210> 2731
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2731

tctcgatgtg tattaaattg cttatatatg gattttcact ccttagtctt taaagctaca 60

ataactagga tgtttggata ttctctggat ataacattga attttctgat tgaatttgtc 120

ctatggtgtt gcacgtgcac ctctacaaca gaatagatgc tctaaaggat caacatgggg 180

caacttacag tcttgagaag tgcatgatat caatctgcat taatggaatc tacataagag 240

tagaacttgg aggacaantg ggttactata ttgatgtcct tgcatgctcc acgaanaact 300

tgtctganac cttaagagtc attatataac ttataatccc tgcaat 346

<210> 2732
<211> 318
<212> DNA
<213> Glycine max

<400> 2732

actccctact ttgtcttaca tggcacacac cctaactatt catcggtatg tatctttggt 60

tctaaatggt ttccctacac ttgggatgca cgacataaca aattcgaccc taaaaccctt 120

ccttgtgtgg ttggtggata tagtgatata cataaaggat ataaatactt tcatccttct 180

agtaagaaat tttttatctc atgacatggt tgttttgacg agtcattctt tcaatataaa 240

actaattggt atcatacaat ttcctcttct acacagcatg tagttagcat atttgattct 300

tggctacctc atactaac 318

<210> 2733
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2733

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atgcatacta aattgcttnc attcgttttc gttccatatc atttctagga cattgtgcga 120

gactaaattt gtctcccttc tgaattggaa cgggtgatgc tgagcacttt tncatcctaa 180

acctctctag tattttattg atatatgctt tctaagacaa gcctaacaat ccttgtgatc 240

tatttcagaa tatttctatc cctatcacat agcttgcctc acccatatcc ttcatttcaa 300

agttactaga gagaaacttc ttagtgtcat gaagaagact aaaatcatta gttgcangca 360

atatatcatc aacatacaag attagaaaaa taaccttact tccactggcc tttagatata 420

tacgccgatc 430

<210> 2734
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2734

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attcatattc tagacatgaa gaggcacaag cttgaagaca agactatacg aggtatcttc 120

cttgggtata gcaatatctc taagggctac cgtgtctaca acttgcaaac taagaaactc 180

gtcatcagtc gagatgttga agttgatgaa tatgcttctt ggaattggga tgaagaanaa 240

gtggagaaga acgttcttat acctgctcaa ctacctcaag aagaagatga ggaagaagac 300

ccaggtgaac caccttcacc ttcaccacaa caacaagatc aagaactatc atcaccagag 360

tctactccaa gacgagtaag atctttggtn acatatatga aacct 405

<210> 2735
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2735

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tttacccgat caaaattaaa cgacggaagc tctcgagaaa ttgaaattat cataactttt 120

cacacggagg tccgagtcat gcacatcaca tatggagacg cccganattg aaccacggaa 180

gatctggaga aattcaaatg gtcataactt tgcacacgga ggtccgattc aggcgcatca 240

tatatggaga cgctcgatat tgaacaacgg a 271

<210> 2736
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2736

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aacattgcta caacggcctt tcgcactcac cacgaccact gagtttaagg ttatgccctt 120

cgggctatgc aatgctcatt ccacctttca ggcaacgatg aacatgcttt tccagccatt 180

cctctgacga tttctaattg tcatctttga tgacatttta atttatagca tcacctttaa 240

tgatcatgtt cttcatctgc aacaagcttt tcacgttttg ttggacaatc aatgcatctt 300

gaagttgtcc aaatgtactt ttgctcagcc acaggtggaa taccttggcc atgtggtctc 360

ccaacgaggg gtggagccag tcacttccaa ggtggatgct gtgcgccagt ggcccactcc 420

gcactct 427

<210> 2737
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2737

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agcaagaaat gaagagccaa tggttgatac atggacggag atgtaaaaga tcatgaagaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcaatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgt acgagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtagag caacaattaa aaaggaaagg agtggctaag aggagttnta ccaactttgg 420

ttcttctagt tggaaagaca aacgtaagaa agatg 455

<210> 2738
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2738

agcttcagcc accataatct gatcatccgc aaagaataag tgtgagacat taacccaccg 60

agaatggatg cgagttacca ttctgaactg aatcttggat gagatgtgcc aatctctgaa 120

tacacaacac aaatatatag ggagagaacg ggtcccccta tcttctccca cacatggggg 180

tgaaagaatc aaagggaata ccattccaat taatcgccat aaatgtggaa gacatatgaa 240

catgaatggc attagccatc caaggcggaa taccaacctt gctgagggta tcaagagtaa 300

aatcccattc caccttatca tacgcctttt gaaggtccaa attcaacacc atgtaaccct 360

ccttaccacg caaattctca aaattaatga agcatgacaa anaggttaat ggagtatttt 420

tttttcaact 430

<210> 2739
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2739

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aaacctttga agtattcaaa gagttgagtc taagacttca caggagagaa agactgtgtc 120

atcaagagat tcaggagtga ccatggcaga gaatntgaaa acagcagggt cactgaattc 180

tgcacatctg aaggcatcac tcatgagttc tctgcagcca ttacaccaca acagaatggg 240

atagttgag 249

<210> 2740
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2740

agctttgcaa gctggaatca tttatcctat ctccgacagc caatgggtga gtcccgtcta 60

ggtagtcccg aagaagaccg gccttacagt gatcaaaaat gagaaggagg agttgattcc 120

tactcgagta cagaacagtt ggagagtctg cattgactat aggaggctga accaagtgac 180

caaaaaggac cattttcccc tgccattcat tgactagatg cttgagcgcc tggcaggtaa 240

atctcactac tgtttccttg atggtttttc tggttatatg caaattacta ttgctcctga 300

ggatcaggaa aagaccacat tcacctgccc cttcgccact ttntcctata ggaggatgcc 360

tttcggcctg tgcaatgccc ctggtacctt ccagcggtgc atgattagta ttttcagtga 420

tttaattaga aaatgcatag aggtggttat ggatgatttc actgtatatg gatcctctt 479

<210> 2741
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2741

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agaatacgcc cagttaccta cgagtcaaaa gacatcttta cttggaagaa tgaacatagt 120

taaggtaaaa atgaactcat ttcacctgaa gcaagcaagt ccttccatct attagaaggc 180

gagttccagc tgctgcttcc tttgcatata tttatagcaa gaaagtgaag tataaaaact 240

cacgcagaat tcagcatctt ataccttctg tcgcgttccg ccattgatta cttaccattg 300

caacacatat gcctcgtcaa aattgtaaag cataacattc acgagaataa agtgaagtgc 360

agtaacaaca accattgatt taatatgcag cacacacata caaaatctga agctatgact 420

acatttattg agctaactan acctaaacag aaattc 456

<210> 2742
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2742

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ttctcaattg tcacatcttt tcatttggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaaaggtc ttatcctctt 180

aaaaagaaaa atcgttttat cctcttacaa attccttggc caaaacactt gtgattcaat 240

aaggaattat ttgagtgctc aaattgttca atctatctct ttcaagagag attatttctt 300

ttcttcttct ttattctgaa aaagaattaa gagatcgagg gtctcttgtt gtaaagaaat 360

ctgaacacaa aggaaggatt gtccttgtgt ggttcagatc ttgtaatagg ctcttacaag 420

atagtggaac tctcaagtgg gttgcttgtg gactgaacgt angcacaagg gtgtgacc 478

<210> 2743
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2743

gttcgattcc tttctttntc ttatcgttct cctcatgctg attcagtttc attagttcca 60

tttcgtgttc ctgtaacttt ccaaataaag ttgcaagaga catgttagaa agatctcttg 120

attatgtaat agttgttacc tttggttgcc attccctgct taaacatctt agaactttat 180

taataagatc ctcattggga aatatctttc ctaatgatgc aagatgattt actatgtgtg 240

tgaatctctt ttgcatgtcc tgtatagttt cattaggatt cattctaaac aattcatatt 300

catgagttaa ggtattcatt ctagacctct ttatatttgt tgttccttca tgggttactt 360

gtaaggtatc ccacatatct tttgcactct tgcaatttga caccctaaag tattcatcca 420

ttcctaatgt agatgtaatt gtatttntgg ctttttaaat ata 463

<210> 2744
<211> 448

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2744

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tgataagtct tacatcattn ttataacttg atatagaatg tgattcttat taatcaaccc 120

gccgaattat atctatgcat tattaaaatc atctatgtca aagtttgtca aaattgaata 180

acaataataa ggtaatcaaa tgatttatat tctaatatat tttaaaatat ttatattacg 240

tcgactttaa tatataagaa caagataaca agtgattttg gattaatatc aaattttaca 300

tatgtgacct atgtgaaaaa aaaaaacttt taatccaacg atgagtctta agaaaacata 360

tccagttgaa agctataata tgatataaaa attatcacag ctatatacat cgaattcgat 420

ctctcctctc tatttctctc tctatata 448

<210> 2745
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2745

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tagcatcatt cctagcgcta aactgttggg agttggaagc catcttctta attaaattcc 120

tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcagcatct atcattcttc 180

tctccatgtt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctggt 240

ggtgagggca actagcgcat agtttttaa atctctccca gtattcatat aggctctctc 300

cactgagttg tctaatgcct gaaatatcct ttctgatggt cgtggtcctg gaagtaggga 360

catttttttc taagaatact ctcttgaggt catcccagct cgtgatggac cttggcagca 420

ggtaatat 428

<210> 2746
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2746

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ctgttgctac ctacaagcct aagatcaaag tttataaact atagagccca catggctttg 120

tgaacaagtt caacaagcaa atggaaattc ttgccataaa ctagactaaa gggagacatc 180

aaagtgggag tcttaaaggt ttttttgtat gcccagagtg tggtcatcca attcaatgac 240

caattctttc tagatgctct cacagttttc tctaaaacct tctttagtta cctattagat 300

acctcaactt aaccaattgc ttgagggtga taaaaagtaa taaccttatg ggtaacacca 360

tatttagcca aaaggctatc aaacaattta atgcanaagt gtgttccccc atcaccaatg 420

attgctcaag gtataccaca gagtgtaaaa atgttctatt tcag 464

<210> 2747
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2747

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ccgaanaatc actacgaggc caaaaagaat ttgtgtccag tgggaatgga gtacaagaag 120

atccatgcat gccctaatga ttgcatattg tatagaaatg agtatgcaga actacagcaa 180

tgccccacgt gtggggtatc acgatacaaa gtgcaacatg atgaattaac tgatgatgca 240

ngaaccaaaa attgtcatcc tgccaaggtg tgctggtatc ttccaataat accaaggttt 300

aagcaattgt ttgctaatgc acatgatgca aaaaaccttt catggcattc ggatgaccga 360

aaatctgatg gattactgcg acatcctgcc gattcgccgc agtggaagac aattgatcgt 420

ttgtatccag agtttgggga tgagcca 447

<210> 2748
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2748

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tcataaaagt acatcacaga gggctcatca accccaaagt gaagaatcta cttggtgaac 120

cgatcgattt cactactaac agaagacaag acaccatatt tctccttcgt ggatgacttc 180

gaaaccgtgg ataattcctt aaaacnccca aaaagaaagt tattttccaa atagacacac 240

aagtcagaag tggatcttat ggtatcaaca caacgggccc aatcagcatc tgccaatgca 300

gcgatggcga gagagtactg agcagggaac aacactcctt gtccat 346

<210> 2749
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2749

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cgagtaaaaa gttatggacg attgtatcgg ctcatagctt caactttcaa tgataagcgt 120

ctggatatgt tacgggactc aatcacacat ccgagtataa agttatggtc gtctgaattg 180

gcttagagct tcaacattca atttcgagcg tctcgatatg ttacgggact caatcagaca 240

tccgagaaaa aagttatcgt cgtttgaatt ggctcagagc ttcaacattc aatttcaagc 300

gtctcgatat gttacgggac tcaatcagac atccgagtaa aaagttatgg tcgtttgtat 360

cggctcagag cttcaacatt caatttcnag cgtctnnata tgttacggga ctcaatcaga 420

catccgag 428

<210> 2750
<211> 367
<212> DNA
<213> Glycine max

<400> 2750

acttaattag actgaaggga cacttgacac actcaaacta agtaccccgt ttgacaacat 60

attcacatat tttatacagc acgtcttgac cctcaacata tatggacaat gagaatcact 120

cagccgtgat tatcaccaat aaactcactt aaggataatt acttgattag aagtggctca 180

acatgattaa aaggtgtatt acacaactgg taatcagcca ttgcagcagc acttcacttc 240

tcttttgacg tatgcaacta tccaacacta ttagaaaata tgctttctac atcggttatt 300

tatgactttc aacatcggtt cttgaccgat gttgaaagac cgaccgtgat agtattatcg 360

ataacat 367

<210> 2751
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2751

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ggctgcatct gacttcacaa gagccttctc accattagca tatcaccctg catagctttc 120

tcctcaagct cttcttccac ctcttcttct tcactgattt cagattcact ggtgatttct 180

ccatctgcct tcatgatcat ggttctcctg gttggacagg caaaagcaat atgtcctctg 240

cctaagcatt tgaagcattt tatgtttctg gtaccggtgt tggatcatgg ggtagaatta 300

tgcttagttc tagctactga cattccatgt gaagactgtg ttgatgggct ggatgagttg 360

cctccctcct tcttggatct gctggtccac gtctagttga aggtgctgga tgagttcctt 420

cttggctgcg cttttct 437

<210> 2752
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2752

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tacatatatt agtattgtac attcaagaat aattgaaaca cattatagat agagaaaaag 120

tgcattaaga gagtgtgcat taagagagtt gcattgtctt atatttttct tatatcataa 180

aagtcttttc aattgtatgc ctatttttt atgtctagat aaattcgtga tgtaactaac 240

tacgaatatt atgcaaaata tcatttaaaa ctttttcaat caagaagaat cattaaactc 300

tgcatacaat tataagtttg taacaataaa cagacaatat taaagaagaa aaataagttt 360

atttgttgaa caagtttatt ttaatgtggt ttttgatctt catcgagaat tcatacagtg 420

gataaaanac gtgacaatta gaagtaatat agtggatttg gtccatgtct tc 472

<210> 2753
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2753

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atatatcgag acactcgaaa ttgaaaacag aagctctgag gaaattcaaa cgactataac 120

tttttactcg gatgtccgat tgtgtcccgt aatatatcgt gacgctcgaa attgacaaca 180

taaggtctga gcaaattcaa accgacaata acttntactc agatgtccga ntgaggtccg 240

taatatatcg agatgcttca aattgaaaat agtagctcct agcaaattca aaacataata 300

aatctttact cggatgtccg attgagtccc gtactgtatc gagacgttcg aaattgagaa 360

cagacgctct gagcaaattc aaacgacact aactgttntc tcggatgtac gattgtgtgc 420

tttagtatat cta 433

<210> 2754
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2754

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ttntatttct ttgttttaca tgtcttttca aataaaagaa agaaatnttt ttgatttaat 120

tacactttta gcctctcaac ttagcataat tgaaatttga agatcaaaat cacgaaattg 180

taaatctaga tttgaatgta gaattagacc tatttttgtt taaaatattc aaatgaacgc 240

taagttctaa caaaaagaaa aatattactc ctccctaaga tttcatttca tctgtattgc 300

atattaatta ttttttgact aaaatatttt aaactatttt ctctcttctc taatggagat 360

tggaaaaaga tgaatagatt ctcaataaac ttaagaatat atttgaaaaa atattaacag 420

tatagtcaaa attaatggta ataaataatt aacttttcta ataagcataa a 471

<210> 2755
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2755

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aattatgatg ctcttaagct taactttggc accctcaatc aggacaacga agccttacga 120

aagcaggtag aataataata caacatagta taatatctag aagagttgat tttgagtcta 180

attaatttaa aataaaaagt ataggtgaat tttgagtgag aaaacaaact tcatgcctga 240

atttcctatt annatttttt ctgggtcgtg cctttcaatc tagaaactat gctcgatgga 300

tctaacctca tgcttgaaat gatcagtagt tttctaatta agagctntct tctcttaatc 360

taaccttctt ttaataataa agaanaactc ttgttgagaa aacgattatc taacaagaaa 420

tatttatatt tgattat 437

<210> 2756
<211> 374
<212> DNA
<213> Glycine max

<400> 2756

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taataggcta acttatagga ctaatccaca agagaccaag gagattgaat cccaagttaa 120

ggaattgttg gagaagggtt gtgtccaata gagccttagt ccttgtgttg tgcctgtgtt 180

gttggtgccc aagaaggatg gttagtggag aatgtgtaca gattgtacgg ccatcaacaa 240

cataactgtg aagtataggc accccattcc taggctcgat gatatgcttg acgagttgca 300

tggtgcacac atattttcca caattgatct taaaagtggt tatcaccaaa taacgatgag 360

agaaggtgat gagt 374

<210> 2757
<211> 403
<212> DNA
<213> Glycine max

<400> 2757

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acatacctct ttaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 120

cacccccctat aatagctaag ctcaccccca tgacaaaata catgaaaata caaaaaaaaa 180

tccctactac aaagactact caaaatgcct cgaaatacaa gctaaaaccc tatactacta 240

gaatggcaaa atacaaggcc caaacaaagg aaaaaactat tttaatattt acaaagataa 300

gcgggctcat acttagccca tgggctcaaa atctatccta aggctcatga gaaccctagg 360

gccttccctt ggatctctgg tccaatctac ttggagtctt ata 403

<210> 2758
<211> 461
<212> DNA
<213> Glycine max

<400> 2758

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gctcctacta ctttgatagc tacgcctgtg acactgaaaa ggattgagaa aacacgcttc 120

ttatttttat ttatttatat ctataagata tgagatagag agagctgcga ttactattac 180

tattgagaca tccaatactt gctcatctca aagccattcc tgccataggg atagtcttca 240

attgtgttct caatctcaga ctgcgtgttc atcacaaaag ggccatgctg aacaactggc 300

tcattaagtg gttggcctcc aatcagaaca aatctcaaag gctgtgaaga gttattccat 360

acgctgaggc catcaccttg agtcaaaaca aggacatggt gtggcacagt tggggatgat 420

gttggagacc cgaacacttc ttcaccttca attatataaa c 461

<210> 2759
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2759

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ctcaaatgct agaaagagag ttgtgaacta tttgctgaga tgtgaatcat tcgggcttct 180

aactttatat ttttatgcta tgatctctca gtggaagcaa tgctaaagct gaagaccaat 240

ctctggaagc atggtaaatt tgtcaatagg aatacacctt ttctctctcc tgtaagcata 300

ttgctgctag gcatttttaa ggttgataat gtacgataca aatgggcagg cttgagcgga 360

aactctctga gcaaaatatg ggcgctcctc ctagctatga agaagctgtc agtgaatctc 420

gcagccctcg tcacagtgaa aggtatgaac ttttatacta cagaaagcac tta 473

<210> 2760
<211> 458
<212> DNA
<213> Glycine max

<400> 2760

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tgtgtaatcg attacataag tcttcgagaa gttatagata gatctaatgt agctccatgt 120

agagcttgta gtccttggat cttcttcatc aatggagacc tttgcttctt gaagatcaat 180

ggcagcgaaa tggaggagga ggaggaaagg tgattggaga cgccacttca aggagaagat 240

gagttaagaa caagctcacc accataggaa accatggata atagcttgaa ggtaggagat 300

gatgactaga ggaagaggga gagagggaga atgaggtctg aactttgaag tctaatttct 360

caaatgatca aagttgaaaa atgcacatac aaggccttta tttatagcca cacaaaattg 420

gagggaagat tgaatttcta ttcaaatttc acttgaat 458

<210> 2761
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2761

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aacttctaat gtgtgtttgg attgtcctgt ggaagtttct ggtaaaataa ttatgattga 120

tctgatttgt ttgcctttga gccaaattga tgttattcta ggaatggact ggttatcttc 180

caaccatgtc ttgttaaact attttgataa aactatggtg tttgatggtt ttggagtgag 240

taaggatatg atgttcatct ctaccaacca agttgtgtga tgaggacatg accaagagca 300

agggcaagga tccacttgaa ggacttggag gacctatgac aagggctaga gcaaggaaat 360

ccaagaaagc tcttcaacaa gtgttgtcca tactatttga atacaagccc aagtttcaag 420

gagaaaagtc caacgttgtg agttgatgag aatcctgaaa ct 462

<210> 2762
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2762

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aagttattgt cgttttaatt tgcttagagc ttcggtattg catttcgagc gtctcgatat 120

attacgggat tcaatcagac atcagagtaa atagttatta tcgttttaac ttgcttagag 180

cttcgataat caatttcgag cgtctcgata ttacgggga ctcantcaga caaccgagta 240

aaaagttatt gtcgtttgaa tatgctcaaa gcttcggtat tcaatttcga gcgtctcgac 300

atattacggg actcaatttg acatccgagt aaaacgttat tgtcgtttga gttttctcag 360

agcttcggta tgcaatttcg agcgtctcga tatatttcgg gactcaatca gacat 415

<210> 2763
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2763

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atatatcaag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacaataac 120

tttttgctcg gatgtctgat tgagtcctgt aatatatcga gacgctcgaa attgaatacc 180

gaagctctga gcaaattcaa acgacaatca ctttttacta ggatggctga ttgagttcac 240

taatatatcg aaacgctcga aattgaatgt tgacgctctg agcaaattca aacgacgata 300

acttttact cggatgtctg attgagtcca tgaatatatt gagacgctcg aaattgaata 360

ccgaatctct gagcaaattc aaacgacaat aacttttac tcggatgtcc gattgggcct 420

cgtaatatat cgcgacgctc caaattgaa 449

<210> 2764
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2764

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atcgacaccc ccgaaattga acaatggaag ctctcgagaa attcaaattg tcataacttt 120

tcactcagag gacccattca ggcgcataat atatcaagac gctcgaaatt gaacaacgga 180

agctctcgag aaattcaaat ggtcattact tttcactcgg aggtccgatt caagcgcatc 240

acatatagag acgctcggaa ttgaacaacg gaagctctcg agaaattcaa atggtcatag 300

cttttcactc ggaggtccga ttcacgcgca taatatatcg agacgctcga aattgagcaa 360

cggaagctgt cgagaaattc aaatggtcat aactnttcac tcggagatcc gattcaggcg 420

cataatatat ncagacgctc gaaattgaca acgg 454

<210> 2765
<211> 395
<212> DNA
<213> Glycine max

<400> 2765

agcttccatt gttcaatttc gagcgtctcg atatattatg cgcctgaatc ggtccttcga 60

gttaagacgt atgaccattt gaatttgtcg agagctctcg ttgttcaatt tcgagcgtct 120

cgatatatta tgcgcctgaa tcggacctcc gagtgaatag atatgaccat ttgaatttgt 180

cgagagcttc cgttcgttaa ttttgagcgt ctggatatat catgcgccag aatccgactc 240

cgagggaata gctatgatca attgaattgt caagagcttc attggtcatg tcgagcgtct 300

gatatattaa gccctgaatc tgcctccgag gaatagtacc accatttgaa tttctcagag 360

cttccgttgt taatctcgag atcttgatat ttatg 395

<210> 2766
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2766

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acaaccggtt aaaaagagcc ttatctgact gtgttgactc atggaaaatt cgggtatcaa 120

ttgcagcagc tagaagattg tttgctgcag ttattgcatg aatatctcct gttagatgaa 180

gattgaattc atccatggga ataacttggc tatagccacc accagctgca cctnctttaa 240

ttccaaaagt aggtccttgc gatggttgac gaaggcaggt gactacctaa caaaaagaga 300

taagatggga ttatgtatcc agcataactt tgacatacga ttaaagattg tagtttttca 360

ataatatctt gaacccaaat aaccagtgaa ggcctaaatg atgaatgagc aattcctaca 420

tcctgtcatc tcatcatcac ataagcaaaa aaaanaaaca ca 462

<210> 2767
<211> 232
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2767

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aagttattgt cgttagaatt tgctgcgagc ttccgttcta aatnttgagc gtctcgatat 120

attacgggac tcaatcggac atccgagtaa aacgctattg tcgttcgaat ttgcaacgag 180

cctctgtttt caattttgag catctccata tgttattgga ctcaatcaga ct 232

<210> 2768
<211> 446
<212> DNA
<213> Glycine max

<400> 2768

agcttgcagc atatgctaac gacaatatca tttcactcgg aagtccgatt gagtcccgta 60

atatatcgag acactcaaaa tttagaaccg aagctcgtag aaaattcgaa cgacaataac 120

atttcactcg gaagtccgat tgagtcccgt aatatatcga gacgctcgaa atttaaaacc 180

gaagctcgta gcaaattcga acgacaataa cttttcactc ggaagccgat tgagtcccgt 240

aatatatcga gacgctcgat atttaaaacc aaagctcgca gcaaatgcta acgacaataa 300

catttcactc ggaagtccgg ttgagtcccg taatatatcg agacgctcga aatttaaaac 360

cgaagctctc tgcaaattat aacgacaata acatttcact cggaagtcga gtgagtcccg 420

taaatatcag acgctcgaaa ttaaac 446

<210> 2769
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2769

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tgagaacccc attgggtggt ccatacaaac attctcctct aaatctccat tcagaaaagc 120

ggatttcaca tctatttgat gtagctccaa gtcataatgg gctactattg tcatgataat 180

cctgaaagaa tcctttcgtg agaccagtaa aatgtctctc tataatcaat gtcatctttc 240

tgagtaaatt ccttagcaac aagtctagcc ttgtaacgtt caaagttgcc atgagagtca 300

cgtntagtct tgaagaccca cttacaacca actctcttac aacccccttgt taattctaca 360

aggtcccaaa caccattatg ttccctgaaa tctatctctt ctttcatggc atttaaccac 420

ttctcagaat tatcacaact tatagc 446

<210> 2770
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2770

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taccaatgag agttttaaat gttgtcctat aagcccaaag tgcatcatct agtttaattg 120

cccaatcttt cctagatgca ctaactgttt tttcaagaat tatttttaac tcgctattgg 180

acaattctat ttggccacta gtttgtgggt gatatggngt tgcaagcttt tgagtcaccc 240

atatttagcc aagaggccat caaacaactt attacagaag tcagtgcctt tgtcactaat 300

gatngctcga ggtgtgctaa atctggtgaa aatatttntc tttgaaattn tnttaccacc 360

agagaatcat taatggggag tgctactgct ttttccctct tagacatgta atccaccaca 420

acangtatat attcatta 438

<210> 2771
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2771

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ccaagcaccg taagtgaagc atactcccca agaaccatac ctgtttagca gtttaagtga 120

ttagaggtct actgaacaga gaaagttcaa tttcatgcag aaatagaagc tggcagaaag 180

aaagaaaaat aacatagagt agaacatact tgagattcat gaatacccnc aaaaaaacac 240

ttcaacgtta taaacaatat caatagaaaa ggttatgana aaagactccc agatgggagg 300

agcataccat gatccatctg aagcttgtat tgtttcaatg aaggtagtgg ctttatcgat 360

acaatgttgt atctcttctc ggcgatgccc aggatataat ttcctaaatg atgccaaagc 420

tcgaatcgct gctgatgtac attccacata actatacgcc ataca 465

<210> 2772
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2772

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aaagggattc atgactntaa agctagatat gtcaaaggta tatgacaagg tggaatggaa 120

gtttatagaa agggccattt tccatatagg cttttcttan aaatggtaga acttaatttt 180

gaagtatttc acaatagtct cctttgttgc tatatcaatg gngagcatta taggaaatnt 240

aagcctcaca aggcttgagc aaaaggatcc tatatccnca tactttntca ttctttgtgt 300

tgaaacattg tcaacaataa tctctcaggc aattcaagca acagcaaatt gtggtattat 360

ggtatgtcat agagctccaa tggtctctca tgtact 396

<210> 2773
<211> 446
<212> DNA
<213> Glycine max

<400> 2773

agcaagagat taggtgcata tagagctcca gatgtctcgg aattgataca tacagacatt 60

tgtgggtcat tacatacacc ttcatggaat gatcaacaat attttatatc attcatagac 120

gattactccg gatatgcata cttgtttctt atacatgaac agtcacaatc tctggatgtg 180

ttcaaaacat ctaaagttga aattgatgat caactaaaca aaagaataaa gtgtgtcata 240

tctgaccgtg gtggtgaata ctatggtaga tatgacgatt taggtgaaca acgtccggtg 300

cctattgcct gtacctagag gaatgtggaa tcgttccaca gtacaccatg ccagggtcac 360

ctagcatgaa tggcgtggct gaaagatgaa acataacttt aaggatatgt gaagaacatg 420

atttgcattc taactaacat agtcac 446

<210> 2774
<211> 201
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2774

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aatttctcta gagcttccat tggtcaattt cgagagtcta gatgagttat gtacgcgaat 120

cggacatccg tgtgaaaagt tatgaccatt caaatatctt gagtgcttcc gttgtgcaat 180

atcgagcgtg tcgatatatt a 201

<210> 2775
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2775

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atgacgggac tcaatcagac atccgagtaa aaagttattg tcgnttgaaa tggctcagag 120

cttcaacatt caatttcgag cgtctcgata tatgacggga ctcaatcaga catccgagtt 180

aaaagttatt gtcatttgaa ttggctcaga gcttcaacat tcaatttcga gggtctcgat 240

atattacggg actcaatcag acatccgaga taaacgtt 278

<210> 2776
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2776

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tactcttaag tttcatggga taatttcttc atttggttnt gataaaaccc catggatcaa 120

tgcatatacc acaaggttaa cgagagtaaa atatgttttc ttgttttata tgtaaatgat 180

attttacttg cagccaatga tcggngtttg ctacatgagg tgaaacaatt tctctctaag 240

aattntgaca tgatgggtat gggtgatgca ttgtatgtca ttggtattta gattcataga 300

gatagacctc aaggtatttt aggttcatca taggaaacct atattaacaa aattttagag 360

agattgcaga tgaaagattg ttcactaagt gtcgctccca ttgtgaaggg tgataggttt 420

aatcagaacc aatacccaaa gaatgacttt aagagggaac aaatgaaaaa cattccttat 480

g 481

<210> 2777
<211> 264
<212> DNA
<213> Glycine max

<400> 2777

tttgatctgg aggacatgtt aatagcttca gctgaagttc ttgggaaggg aagttgtgga 60

acaacataca aagccatctt ggaggatgga acatcagtgg ttgtgaagag gttaagagat 120

gtggcaatgg ggaaaaaaga gttttaacag caaatggaga ttgtccacag actcgatcat 180

catcaaaatg tgattcccct tcgtgcttac tactattcca tagatgaaaa actattggtt 240

tatgactact caacagtcgg cagt 264

<210> 2778
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2778

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gtatgttttg tagttagtta attgagactt gtgggtgtat atcagtgtnt tatacttact 120

atnttgattt ggttagtgtg tgtatattac atagagttta tattttatta attaattgac 180

actaaagatg ttatagtttt gctatgatat gattctgaaa attattcgag tcgatgtata 240

tgtatatggg ttgggtcttg taaacattgc tacgaatgta taatatgata tatgagaata 300

agtgaagtat gcgatgaatt gtgagctatg aactgtgtag tcacacaact ataataccct 360

ntaagggcga cgagttcatg cgcaatgagt tttgtgatgg gctccactat gggaactcga 420

cgaagttaat cactgga 437

<210> 2779
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2779

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tcaataaatt caataaatgg atattcctat tatgtcattt ttattgattt attttcacat 120

tatgtttgct ggttgtatcc aatgaaattc aaatccgaaa tttccattat ttttccagtt 180

nttaaatcct ttgttgaaaa ccaataaaat gtcaaaatta aaatttttta tactaacaat 240

gatgatgaat acattaagtt acggtcgttc cttctaactt atggaatttc tcatttaaca 300

actccccata cccgtgaata ttacnggaat tttgaatcgt aaaaattggt ggacaagtgg 360

ccttaataac ttaaggaggg tgaattaagt taaaaaattt ctcgtttaat tgacttctaa 420

at 422

<210> 2780
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2780

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ctccgagtga aaagttaaga ccatttgaat tgctcaagag cttccattaa ccaatttcga 120

gggtctcgat attttatgtt cctaaatcag acctccgagt taaaagttat gtccatttga 180

atatctcgag agcttccgnt gtttaatttc gagcgtctct atatgtgatg ctcctgaatc 240

ggacctccga gtgaaaagtt atgaccattt gaatatctcg agagcatncg tggttcaatt 300

tcgaagcgtt ctatatgtga tgcgcttgaa tcggacctcc gagtataagt aatgaccatt 360

tga 363

<210> 2781
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2781

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gcctatgcaa gttgaaagcc ttggaggaaa gaggtatgcc tatgttgttg tggatgattt 120

ctccagattt acctgcgtca actatatcag agagaaatca gaaacctttg aagtattcaa 180

agagttgagt ctaagacttc aaagagaaaa ggactgtgtc atcaagagaa tcatgagtga 240

ccatggcaga gagtttgata acagcacgtt cactgaattc tgcacatctg aaggcatcac 300

tcatgagttc tctgcagccg atacaccaca acagaatggc at 342

<210> 2782
<211> 305
<212> DNA
<213> Glycine max

<400> 2782

tgagcaacaa acccaggatg ttgctccata taaatatcct cctcaagatc accatggaga 60

aaggcattct taatatcaag ctgatggagg ggctagtgac ggatagcagc catagcaaga 120

aacagacgaa cagtggtgag tttggcgaca ggagagaaag tgtcacagta atcaatgtca 180

tatacctgtg tgtagccctt agccaccaag cgagtcttaa gccaatcaac cttaccattg 240

tgcccaactt taacagtgta gacccatcta caacccacag tggtcttatc aggaggaaga 300

gaaac 305

<210> 2783
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2783

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ttccttcatt gatgatttaa ctagaaaagt gtggatttat ttgattaaaa tgaagagtga 120

tgtgtttgat gtgttcaaaa agttcaaaag gttgatttag aaacaaaata acaaacagat 180

aaaagtgtta agaacaaacg aaggtggtga gtatgtatta gatgtgtttc gaaacttcta 240

tgaggtagaa gtgatagtgc atgaaataac attatcctat actccacaac acanaggaac 300

tattgagaga aagtgtaacg acccgcctcg tcgctacgat atcacttact ataaaatatg 360

acattntcaa ttagaagtaa aagcttcat 389

<210> 2784
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2784

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ataagtcttc ccccatggct tctctatcaa gaattcttcc attggcatca acaattttag 120

catctaagac attatcaact ccaaggccat attttctcat catggctcca tatgctcctc 180

ctgtgatatg ccctccaatg cctaagcttg tgcaaaggcc tgcagggaaa ccatgaactg 240

aactcttctc atatattctg tagtaaactt caccagttgt ggcaccagct tgaacccaag 300

cagtgttgct ttttacatca acgtcgatgc cgcggagctt gaccaaatcc acaactatga 360

aggggctctc aatttcggag acgtacgaaa ttccctcata gtcatggccc gcacttcgca 420

ctctaat 427

<210> 2785
<211> 380
<212> DNA
<213> Glycine max

<400> 2785

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actagtatat gaatacatgg ttaatggcag ccttgactcc tttgtttttg gtatgtaatt 120

gaagaatgct ttgattagat gcactagcgt tatttttttt tttttaactt cagtcacatt 180

taatttacca gcttatgaat cttgattaac ttatctgctt tgcaaataaa aaacagacca 240

aataaaaggt aaatttctgg actggcctca acggctcgac ataatatttg gaatagctag 300

ggggctgttg taccttcatc aagattcccg attaatgatt attcatagag atctcaaggc 360

aagtaatcat ttactcgatg 380

<210> 2786
<211> 494
<212> DNA
<213> Glycine max

<400> 2786

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aaatgacgta tcaatgagaa ataaagcaca attaataaga tggatcaatt aagaaactga 120

tttaaagtaa ataaaataaa atttagttct taaaaattaa attaatttat atatatatat 180

atatatatat atatatatat atatatatgt gtatagataa cttaacgttt gtaaatttca 240

ctccttaaaa tattaaatat tatttttaat taattataat attattttga tgatttgcaa 300

cacttttaa tatatgcttt ttatattata attaatgagt tatatgcttt aattttatgc 360

gttaaatagt ttctatttaa atattctaaa aattcaaaat tattaacatg aatattcatg 420

aatatataaa tactaccact aaatgagagt catattcatt attataagtc tttaaagttc 480

catattaaaa aata 494

<210> 2787
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2787

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gctctccaga tattcaaatg gtcataactt ttaacttgga ggtccgattc tggcacataa 120

tatatcgaga cgcccgaaaa tgaacaacgg aagcacttga gaaaatcaaa tggtcattac 180

ttgtaactcg gaggtcccaa tcaagcacat acatatagag acgctcgaac atgaacaacg 240

gaagttcttg agatattcaa atgattataa cttttaactc ggaggttcga ttcaggcgca 300

taacatatcg aaactcttct aattggacaa tggaagctct tga 343

<210> 2788
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2788

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ggggcctatg caagttgaaa gccttggagg aaagaggtat gcctatgttg ttgtggatga 120

tttctccaga tttacctgng tcaactttat cagagagaaa tcagaaacct ttgaagtatt 180

caaagagttg agtctaagac ttcaaagaga agaggactgt gtcatcaaga gaatcacgag 240

tgaccatggc agagagtttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat 300

cactcatgag ttctctgcag ccattacacc acaacagaat ggcatagttg aaaggaaaaa 360

caggactttg caagaggctg ctanggtcat gcttcatgcc aaagaacttc cctataatct 420

ctgggcttga gccatgaaca cagcatgcta catccacaac agagtcacac ttagaagagg 480

cactccaacc acactgtatg aaatctggaa agggag 516

<210> 2789
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2789

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gagtttaagt actttctcat agatcagcac aatttattag tgaagtttat ttggaatagc 120

tntatataaa gccaacaatg gatttatttc actacacacg tgatttgttg gtgtgagtgt 180

tagtcctatg acgtgggcct tgtgaggtca gggttatata gcaaattctg taaccaaaac 240

acaatgatag tggccatttt agcacataca agagtgaatg acaccagatt tatctctnta 300

atttcctgtn tgttgttcat tcatgcagaa ctttctggtg taccccctga tgtcatcaat 360

cggcttatac cagagcatgc gcgtaaacag aactttatta t 401

<210> 2790
<211> 359

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2790

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gcacaagcaa caactcattg tttgatctct tgataaacag tgttttgtct taacctctta 120

caaaagattg ctcaattaag aaattgctca acctttcata ccaagatata agtgcttgtt 180

tgaaaccata cagtgccttt tctagcttgt aaacatgatt aggatgtttg aagtctacaa 240

aacctagagg tttctcaaca tatantctct tttcaatgta tccattgaga ataacacttt 300

tcccatccat ttgatataac ttgaaaccca taatacaagc natagcaaga ataacctaa 359

<210> 2791
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2791

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gaacatntgc aaccaaagac atgaagatgt gagatgtttg gtttcctacc attgaacagt 120

tcatatggag ttttctttaa gatgagtctt attaaagccc tattcatgat ataacataca 180

atatttacgg cttaagccca aaaatattgt ggaagtgaag tatcattcaa taaggttcta 240

gaaatttctt ctaaagatct atttttccta tcaacaactt cattttgtg aggagtccta 300

tgtgcagtaa aattatgtca atgccatgct tttcacaaaa tagatcaaat tccttatttt 360

caaactcacc ccatgatcac tcctaata 388

<210> 2792
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2792

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caactaacat caatatccaa cgtataatat aaaatgaata tatatatata gatagataga 120

tatatacaac taattcctag aagtggaatg ttgtacacac ctgtggttta acctctacat 180

tgttctggtc actcttgact gttactggtt catttgcaag cacactctca agatgagcaa 240

ggagttcctt agcttggcac gatccanagt ctggatctgc atcctcatag caccaaacaa 300

gtgcagtctg cttggcttca atggtggatc catcagttgt ttcagtgtat agattcatta 360

caggttctgc aat 373

<210> 2793
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2793

ttagagccac ctgcggcatg caagctngaa gacaagacta tacgaggtat cttccttgtg 60

tatagcaata tctctaaggg ctaccgtgtc tacaacttgc aaactaagaa actcgtcatc 120

agtcgagatg ttgaagttga tgaatatgct tcatggaatt gggatgaaga aaaagtggag 180

aagaacgttc ttatactcgt tcaactacct caagaagaag atgaggaaga aaacccaggt 240

gaaccacctt cacctccatc acaacaacaa gaagagatgg agtatccata cagaaaaatt 300

tgcaccagta gctcgtctta ataagacaaa gctcaactct gatggcacca tacagaaaca 360

caaggcgagg ctagtagcta agggttactt acagcaaccc ggaattgact acaatgagac 420

atttgcacca gtagctcgtc ttgataccat aagagctcta atagctcttg tgtcacacaa 480

aggatggagt atc 493

<210> 2794
<211> 356
<212> DNA
<213> Glycine max

<400> 2794

acactataaa actcagctat tatctcttct gtaataaaga cttggtggta gagaccccaa 60

ctagtggttc tgtgttaact tctaatgtgt gtttggattg tcctgtggaa gtatctggta 120

aaataattat gattgatctg atctgattgc ctctgagcca aattgatgtt attctatgaa 180

tggactggtt atcttacaac catgtcttgt taaactattt tgataaaact atggtgtttg 240

atggttatgg agtgagtaag gatatgatgt tcatctctac caaccaagtt gtgtgatgag 300

gacatgacca agagcaaggg caaggatcca cttgaaggac ttggatgacc tatgac 356

<210> 2795
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2795

acctgcctgg caccgacctg atatgtgatt atcctgaaga acacctctgt gttccaaacc 60

ctgaatgagt ctcctcacaa tggcatcaat ttccgcaacg gctcgagtga ttngagaatc 120

atcatggcca acctggtgac cctgatgatc agggtcttca aaatagagcg taataaagga 180

aggaacttga tgagagggta aatcgaaata gctgagaaca gtgtctactc 230

<210> 2796
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2796

taagctcctt caactgcata aggctctnta atattgaaga gtatccttgt ggaaccttca 60

cccgacgaag acattgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120

ggggcaagta aattttcttc ccatcagaca ttggatgcaa ctgtgatcgt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcatctt gccttgaatg ttaaagagcg 240

tcccaataac actgtcacaa acatttttct ccacattcat aacatcaata caatgtctaa 300

cgtcaagatc acaccagtac ggaagatcaa agaanatgga cctcttcttc catatgcaac 360

tctgactntt atccttcttt tgggtcttcc caaatatagt attcaggtgt ngaacccgct 420

gatatacctg ctcaccagtc aacgctatca gcgcaatatc atgct 465

<210> 2797
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2797

agcttcgata atatttttt atatcctatc gtctatataa tagtcttacg ttactttatt 60

ntagataaga tatagaaata aatttataag cataatgtct ttatcattaa tttcccaatc 120

agttaaagca tgtgtattta ttcttccact catgtaaaat aaaataaaat atttttttctt 180

attctaaagt gagatgatgt ctataattat atttgttcat tagagacaaa aaatttctgt 240

caaaatatag attctaaata ataagagtga aaaaaagatt atactacttt ctaagatgac 300

atgttatcta ttatactaat tattctaaaa tttatatcta aagtatttnt aatctactta 360

atagtgctaa acatatnnta tgtaacaatg tataaaaagt aacctttttt aatttcata 419

<210> 2798
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2798

ttacttgtga aagagagcca tgagggtgag ctcatgggcc actctgggat agacaagacc 60

cttgtcgtac tcaaagaaaa gntttgttgg ccccatatga agaaagatgt ccataagcat 120

tgcactaggt gtgtggcttg tttacaagcc aagtctaggg tgatgcctca tgggctatac 180

acacccttac ccatcccatc ttcaccttgn gtagacatta gtatggacta tgtccttggg 240

cttcctagac cccaaacagg tgtagaatct atctttgtgg tggtggacag ggttagcaag 300

atggcacact t 311

<210> 2799
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2799

cacatggatt tgatggggcc tatgcgagtt gaaagccttg gaggaaagag gtatgcctat 60

gttgctgtgg atgatttctc cagatatacc tgggtgaact ttatcagaga gaaatcagaa 120

acctttgaag tattcaaaga gttgagtcta agacttcaaa gagagaaaga ctgtgtcatc 180

aagagaatca tgagtgacca tggcagagaa tttgaaaaca gcaggttcac tgaattctgc 240

acatctgaag gcatcactca tgagttctct gcagccatta caccacaaca gaatgggata 300

gttgagagga anaacaggac cttgcaagag gctgctcggg tca 343

<210> 2800
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2800

ntcgtttaca attacgagcg tctcgatata tttcgggact caatcttaca tccgagtaaa 60

aagttattgt catttgaatt tgctcagagc ttctgttttc aatttcgagc gtctcgacat 120

aatatgggac tcaatcatac atcctgtaaa aagtaatcat cgtttgattt ttctaatagc 180

ttctgttttg aattttgagc gtctcgatat actatgggac acaatcggac atacgagtca 240

aaagttattg tcgcttgaat tctctcagag cttctgtttt gaattacgag cgtctcgata 300

tattacggga ctcaatcgga catccgagtc aaaagttatt gtcgttgatt tatctcagag 360

attcagtttt caatttcgag cgtctcgata tactactgga cacaatcgga ca 412

<210> 2801
<211> 243
<212> DNA
<213> Glycine max

<400> 2801

gtgctctaaa cgaactctga aatctgaagc ttaatattca aatgatctaa gtgtgaaaat 60

atgcacacac atgacctcta tttatagcct aagtgtcaca caaaattgga gggaaattcg 120

aatttcactt caatttcact tgaatctgaa attgaatttg cggagccata ctttggagcc 180

aaaatttcac taattatgat tagtgaagtt tagttatggg tcagcccact aatccaagat 240

caa 243

<210> 2802
<211> 430
<212> DNA
<213> Glycine max

<400> 2802

agcttatgac cattcgaatt tctcaagagt ttccgttgtt caatttcgag cgtgtagatg 60

agttatgtcc ccgaatcgga catctgtgtg aaaagttatg accattcgat tttctcgaga 120

gcttccgttg ttcaatttcg agcgtctcga tatattatga ccccgaatcg gacatctgtg 180

tgaaaacgta tgaccattcc attttctcga gagcttccgt tgttcaattt cgagcgtcta 240

gatgagttat gtccccgaat cgaacattcg agtgaaaact tatgaccatt cgaatttctc 300

gagagcttcc gttgttcaat ttcgagcgtc tggatatata atgttcccga atcgggcatt 360

cgagtgaaat gttgtgacca ttcgattttt tcgagagctt ccgctgttca attacgagcg 420

tctcgatata 430

<210> 2803
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2803

ccttggttac atttgatagt ctntacttga atcttngaaa agcatatcaa aaccatttcc 60

tttcaggccc tgatcaattc ttgcaaatgc caccattgta agctntgctt cttttgatgc 120

ttgaacttca ttccattgtt ccttgcagca ttcttgaacg gcatgcacaa tctcgtgacg 180

agaagtatag gctacgcaaa tcaaaagaac tctctggttg ttgtgagcag taactctcat 240

tgctttttcc acagaagccc tgacaggctc agtcaatagt tgcaagtctc caatgaaatg 300

taatcgaaca ccgtattcat tgataagact nttcttgtga agtaactctt caatcttttc 360

ccgcatcaat 370

<210> 2804
<211> 321
<212> DNA
<213> Glycine max

<400> 2804

tcatttcagc gctcgcatat acgggactcg atctacatac gagagagaag atgttgtcgc 60

tagaatttgc tctgagctct caacattcag tctctagcgt ctcgatatat tacaggactc 120

gctctgacat ccgtgtagca agttattgca cgatgaattg gctctgaggt tcaaaattca 180

atttcgagcg tctcgttata ttacgggact caatcagaca tccgagtaaa aagttattgt 240

cgtttgaatt ggctcagagc ttcaacattc aatttcgagc gtcccgatat attacgtgac 300

tgaatccgac atccgagtaa a 321

<210> 2805
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2805

gctttaagcc aattcatacg acaatatctt tntactctga tgtctgattg agtcccgtaa 60

tataacgaaa cgctcgaaat tgaatgtcta agctttgagc caattctaac gacaataact 120

tcttactcgg atgtccgatt gagtctagta atatatcgac tcgctcgaaa ttgaatgtag 180

aagctctaag cctattcaaa caacaataac gttttactcg gatgtccgat ttagtgacgt 240

aatatatcgg gacgctcgaa attgaatgtt gaacctctga gccaactcaa acgacaataa 300

ctttttactc agatgtctga ttgagtcccg aaatatatcg agacgctcga aattgaatgt 360

taaacctctg agccaattca cactacaata atcttctact cagatgtctg attgagtcc 419

<210> 2806
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2806

taccctgatg aggatgtccc atatgttctt aatactagac tgatacactt gntgtccaag 60

tatcatggtt ntgcangtga agaccctcat aagcatctaa aagaattcca tattgtctgc 120

tccaccatga aacctncaga cgtncaaaag gtcacatctt tctgaaagcc tttcctcatt 180

ctttagaggg agtggcaaag gactggctat attaccttgc tctaaggtcc atcacgagct 240

gggatgacct caaaagagta ttcttagaat aaattttccc tgcctccagg accacgacca 300

tcagaaagga tatttcaggc attangcaac ttagtggaga gagcttatat gaatactggg 360

agagattaaa aaactatg 378

<210> 2807
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2807

agctntntat tntcagtaga tgaagatgaa tctgtggcca cctcatggac acctctaaga 60

gcaatagcat catttcttgc actgagttgt tgggaattgg aagccatctt ctcaatcaaa 120

ttcctagctt cagcaggggt catatcacca agagctccac cattggcagc atcaatcata 180

ctcctctcca tgttgctaag tccctcatag aaatattgaa gaaggagttg ctcagaagtt 240

tggtggtgag gatagcttgc acacaatttc ttgaatcttt cccagtactc atacaagctt 300

tctccactaa gtttcctgat gcctgaaatg tcttttctga tggcagtggt cctagatgta 360

gggaagaatt tctccaagaa caccctctta aggttatccc agctgaaaat ggacctgnga 420

gcaaggtagt atagccaatc ttttgccact ccct 454

<210> 2808
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2808

tgctgtgtaa ctatgtataa aatttaatgg aaaacctttc atttaaaaac aatcaagaaa 60

ataaactntc aataaataga cataaataat gggaacacta aaatgaggta aagacggaaa 120

aactaaaaca acacttacga caagcttcta acagtgcttt acaacaagat gcggngactg 180

gagaagatgg caattcgcga attacatgct gaaaatgtat agaaataaga aataataata 240

atgtatgacc aacataaagg aatcaatact tcagttttcc atgagaatac cttaacacag 300

tcaccaacaa catgtgcatc ctcgtctgga gaaaactcaa ctnttnctgc aaccatatgg 360

canacccaag agcataagaa ttgatgagta attt 394

<210> 2809
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2809

agctntanac ctgagattgg atagtttgca atctctcatt ctaatctaga agtcgtagac 60

aatcaacttc agaaaaaaga agaggagtat tcagatgcaa gaagtcatga aagaagacga 120

agaggcgaac caaggagaga taatcatttg gggagcatta agatgacaat ccctaagttg 180

aaggtaaaaa tgatcctcaa atgtatttgg agtgggagag aaaggttgaa catgtgtttg 240

attgccataa ttattttgag gagaaaaagg ttaaaccagt tggtgttgaa ttcaccgata 300

atgctagtat atggtgggat caacttgtga ctagtaggca caggaatggt gaaaggccta 360

ttagtatatg ggaggagatg aagaatgtca tgaggagatt tgcacctagc cactatcata 420

gggatttgca cagattacaa actntaattc aaggttccat ga 462

<210> 2810
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2810

tctatatatt agtaatattn tntaaagaaa ataactacta catatgtgtt aaatatataa 60

taacttctaa aattntgttt ttttttataa gatttttttt aaattatcat ttgtattaat 120

ttttttatta aaatatcctt aattatttga ctataaatgc tatagattaa aaagataaac 180

acatttctct ttcttataat gactggataa gaagactaag gcacattaat tattagatag 240

aaagtaataa agttgaaaag gagaaatgat gagtccaata aatntaatat tattaattaa 300

attaattatt ntaaaaaaaa atacttaaaa aatcttatat ttagatacag agataagata 360

taagataaat aaccaatttc atccttatag ttttcact 398

<210> 2811
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2811

agcttctttn tccgtcatta attctcctcc tctgattcct aatatgtttc atgcgtttta 60

tctttatatt actcctctcc ctatctagat aaagcaatgt taactataaa aactttggca 120

acttttagta atatgagttg ctttgctaac taccagggaa gaactagaga aaatgtttga 180

aggtatgcca gcagtattca ctggaatgtt aggaggagaa gaactgtccc aagcatatgc 240

cagtggagat gtatttgtca tgccttcaga gtcagagacg cttggttntg tagttttgga 300

ggcgatgtct tcagggatac ctgtggtggc ggcacgtgct ggaggtattc ctgatataat 360

ccctgcagat caagatggta aaactagcta tctgtatgat ccacg 405

<210> 2812
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2812

gcttatcgtg aattgttgtc ctggatgtga gaatggaatc gactgcttca ttggtggaag 60

agcccatgat gtagtgtgga agagctggtg ggggctcgcc gtaaatcact tcgaacggca 120

tgagccccgc gcttgaatgg aatgaggtgt tgtacgacca ttctgctaat ggcaagatct 180

agaaccagtc cgtagggcga tggtgcacaa acgaacggag gtactgctca nagacacgat 240

tgatgacctc tatctgacca tcagcttgtg gatggtaggc ggtgctcatt cacaatgagg 300

tgtcgctcat gcgtgataat tcacgtcaga aatggctaag agagatggtg tctcggtcgg 360

agaccatact c 371

<210> 2813
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2813

tcaagaaaaa gatggcctca gcaaattcct tatttccaga agggaattct atcaatagac 60

ctncaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttattg 120

aggcaataga tctaaatatc tgggaagcca tagaaatagg gccttatata cccaccacag 180

tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataactata gaaaaaccta 240

gagatagatg gtctgaagag gatnnaaaac gagtacaata caacttaaaa gccaaaaaca 300

taataacatc tgccctggga atggatgaat atttcacggt ttcaaattgt aagagtgcta 360

agaanatgtg ggacactctt cgattaacac atg 393

<210> 2814
<211> 459

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2814

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atatatcgag acgctcaaaa ttgagacttg aagctctaag ataattgaaa cgacaataac 120

tttatacacg ggtgtccggt tgagttccgt aatatatcaa gacgctacaa attgaaaacg 180

gaagctctta gaaaattcaa acgacaataa atatttacac ggatgtccga tagagtggcg 240

taatatatcg agacgcttca aattgaaaaa agaagctcgt aggaaattcg aacgacaata 300

tgtttttact cggatgtccg attgagtccc gtaatattaa aagacgctcg aaattgagag 360

cagaagctct gagcaatttc aaacggcaat aactttatac tcgtatgtcc tcttgagtcc 420

cgcaatatat cgagatgctc catattgata acagaagct 459

<210> 2815
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2815

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tcgaccactt cctccactgt ttaattttaa acctcagggt gagtttaagt actttctcat 120

agatcagcac aatttattag tgaagtttat ttggaatagc tttatataaa gccaacaatg 180

gatttatttc actacacacg tgatttgttg gtgtgagtgt tagtcctatg acgtgggcct 240

tgtgaggtca gggttatata gcaaattctg taaccaaaac acaatgatag tggccatttt 300

agcacataca agagtgaatg acaccagatt tatctcttta atttcctgtt tgttgttcat 360

tcatgcagaa ctttctggtg tacccccctga tgtcatcaat cggcttatac cagagcatgc 420

gcgtaaacag aacttatnta tggctntgca cacctagcaa 460

<210> 2816
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2816

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tgtaattagc agacaatatt taccatttat tcatttcagc atcattggga taatgctgat 120

acaccattta aatttgcagt gcaataagta ttcattctta caggtcacat accatcaaac 180

tagagtaatg cacaacttat taaaaacata ccagataaca ttgcctctga gtgtgttgat 240

ttctccattg tggcccaata cacgcataag ttgagcacga tcccagctag ggaaagtatt 300

tgtagaaaac cgtgaatgta tctgcacata tgcataccaa attgtcagta atcatgatta 360

tattcttata acaaaataaa atagtgtaga aaatcaaatg cacaaatgtt ntttctctca 420

ggtacaatac acagcatata ttaa 444

<210> 2817
<211> 402
<212> DNA
<213> Glycine max

<400> 2817

gtggcctcag atatcttaag aaggggggtt gaattaagat attacatact attttcccaa 60

ttaaaattct atcaagttat aaattccctt aataatgaac ttcttaaata ttgattcaaa 120

tagaacaatt tgaatatgaa tataaaacaa taataaataa aggagtctaa gggaagagat 180

agtgcaaaaa tagatttata ctggttcggc cacaccattg tgcctacgtc cagtccccaa 240

gcaacccgct tgagagatcc actatcttgt aaattccttt tacaagttct aaacacacaa 300

ggacaatcct ttctttgtgt ttagaatatc tttacaacaa gataccctcg gtctcttaat 360

cccttagtga attagaaaaa gaagaagaat gaatctctct tg 402

<210> 2818
<211> 411
<212> DNA
<213> Glycine max

<400> 2818

agcttcggta ttcaatttcg agcatttcgg tatattacgg gactcagtcg aacatacgag 60

taaaaactta ttgtcgtttg aatttgctca gagcttcaac attcaatttc gagcgttttg 120

atatattacg gcactctatc ggacatccga gtaaatagtt attgtcgttt gaatttgctc 180

agagcttcgg cattcaagtc cgagcgtctc gatatactac gggacacaat cagaccttcg 240

agttaaaagt tattgtcgtt tgaatttgct cagagcttcg gcattcaagt ccgagcgtac 300

ggatatatta cgggtctcaa tcagatatcc gagtaaaaag ttattgtagc ttgaagttgc 360

tcagagcttc aacattcaat atcgagcgtt tcgatatatt acgagactga a 411

<210> 2819
<211> 457
<212> DNA
<213> Glycine max

<400> 2819

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tgtatggggt ccaacttcaa taaattcaat aaatggatat tcctattatg tcatttttat 120

tgatttattt tcacattatg tttgctggtt gtatccaatg aaattcaaat ccgaaatttc 180

cattattttt ccagttttta aatcctttgt tgaaaaccaa taaaatgtca aaattaaaat 240

tttttatact aacaatgatg atgaatacat taagttacgg tcgttccttc taacttatgg 300

aatttctcat ttaacaactc cccatacccg tgaatattac ggaatttttg aatcgtaaaa 360

attggtggac aagtggcctt aataacttaa ggagggtgaa ttaagttaaa aaatttctcg 420

tttaattgac ttctaaatcc ccttttaaat ctataag 457

<210> 2820
<211> 441
<212> DNA
<213> Glycine max

<400> 2820

agcttcactg aattgctggt cttattgaag aacatgcttc ctgaacaaaa cactttgccg 60

aagaatcact acgaggccaa aaagattttg tgtccagtgg gaatggagta caagaagatc 120

cgtgcatgct ctaatgattg catattgtat agaaatgagt gtgcagaact acagcaatgc 180

cccacgtgtg gggtatcacg atacaaagtg caacatgatg aattaactga tgatgcagga 240

accaaaaatt gtcatcctgc caaggtgtgc tggtatcttc caataatacc aaggtttaag 300

caattgtttg ctaatgcaca tgatgcaaaa aacctttcat ggcattcgga tgaccgaaaa 360

tctgatggag tactgcgaca tcctgccgat tcgccagagt ggaagacaat tgatcgtttg 420

tatccagagt tcggcgatga g 441

<210> 2821
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2821

tgcatatgat gcagacattc ataatagtat ccctcttcat caaaaccaac aacagcagag 60

taagtatgat atttcaagca acagatacaa tccaggttgg agaaatcatc caaatctgag 120

atgggcaagt cctccacaac aacatcagtc tgtccctcct ttccagaatg ttgttggtcc 180

aagcaagcca tatgttcctc ctccgatgca acagcagcag cagcagtcac aacaaagaca 240

acaagcaact gaggctcctc ctcaaccttc cttagaagag ttagtgaggt aaataaccat 300

ccagaatatg caatctcagc cagagacaag agcctccatt cagagtttga caaattagat 360

agggcagatg gctactcagt tgaaccaagc tcagtcccaa aattntgaca aattgccttc 420

acaaactatg caaaatccga aaaatgtgag t 451

<210> 2822
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2822

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tctaatgctt gatagatgag gaagagagct ttcttgtctc tttttcttga atcctttaaa 120

gtctcctttt tgtgcttggg atagtgaagt cttatcttgc atctccttat agccttttc 180

aaccattttc caaacatcat gtgctccaag aagggacttc attttgatgc tccaattatc 240

ataggtgctc ccctttagaa gtggaacttg gaaggatgtc gctccattgc ttgtcataac 300

tatagaggaa tttcttatca gaacctaagc tcagatacca ctttgttgga aaagagaatg 360

ttatatgaag tatntgaaag agatggagga ggagagaata tttgaaagaa ggctagttct 420

tatttcttga gaaatggttt ggttttgac 449

<210> 2823

<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2823

tactaagctt agttacaatt acgagcgtct ccatatatta cggggtactc aatcgtgaca 60

tccgagttaa taagttattg gtcttttgac tcttcttaga gcttccgttt tcaattatga 120

gcgtctcgat atattaatag gctcaatang acatccgagt taaaacttat tgtcgtttga 180

tttttctctg aggttccgtn ttcaattacg agcgtctcga tatccctccg gacgcaattg 240

gacatccgag tgaaaagtta ttgtcaatta cgagcatctc gatatattat gggact 296

<210> 2824
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2824

agctntgaga taattcaaac aacaataata tttgactcga atgtccaatt gtgtcccgta 60

ggatatcgag acactcgtaa ttgaaaatgg aagctctgag aaaaatcaag cgacaataac 120

ttttaactcc gatgtccgat tgagtcctgt aatatatcga gacgctcgta attgaaaact 180

aaagctctga gcaaattcaa acaacaatta attttgactc gaatgtccga ttgtgtcccg 240

taggatatcg agacgctcat aattgaaaac gaaagctatg agaaaattct tacgacaata 300

acgtttaact ggggtgtccg attgacgtct gtcatatatc gagacgctca taattgaaca 360

ctaaagctct gagcatattc aaacgacaat aacttttgac tcggatgttc cactgtgtcc 420

tgtatgatat cgagacgctc gtagatcaaa ac 452

<210> 2825
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2825

ntganaacca acaggctccc tctaattcat cgagtaactc atcaatggtt ggaattggga 60

atctgtcctt gacggtaatg tcgtttaaag ctctgtagtc aacgtaaaaa tgccatgatc 120

catcacgttt tttgaccaat aatacagggg atgagaatgg gctaatgctt ggaattatgc 180

cactccggag catggtttct acctaagttt cgatttctta tttttgaaaa taaggatatc 240

gatagggtca aacattgatg ggttcagagt tgggtatcaa gtgtatggcg ggattggtgg 300

tgtgggatgg tgggagggtc attggtgtgt ggaatacggt cacgaattga gtgagtaaac 360

ttggtatttc tgggta 376

<210> 2826
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2826

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ttgggataaa ggtagtgtcg ccatgttttc aaagcccgca ctaacgcata caactcttta 120

tcataagtag aatagttaag ggtaggacca cttaactttt cactaaaata agcaatagga 180

tgaccttctg gcatcaacac agncccaatc ccaacatttg aagcatcaca ctcaatctca 240

gaagattctt gaatagttgg caacacaagt atgggggcat taattagctt ttgcttaaga 300

acatagaaag ctgtttcttg tgtctctccc catgtgaaac cagcattatt cttgagcact 360

tcattgagag gtgctgccaa tgtgctaaaa ttcttcacaa atcgtctata taaacttgct 420

aacccatgaa aactcctcac ctccggcact gac 453

<210> 2827
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2827

agctttcgtt ntcaattacg agcgactcga tattctacgg gactcaatcg gacatccgag 60

tgaaaagtta ttgtcgtttg aatttactca gagcttccgt tttaaattac gagcgtctcg 120

atatcctacg ggacacaatc ggacattcga gtcaaaagtt attgtcgttt gaatttgctt 180

agagctttag ttttcatttt cgagcgtctt gatatattac agggctcgat cagacattcg 240

agttaaaagt tattgtcgtt agatttttct cagagcttct gttttgaatt acgagcgtct 300

cgatatccta cgggacacaa tcggacatcc gagtcaaaag ttattgtcgt ttgaatntgc 360

ttagagcttc agttttcaat tacgagcgtc tcgatatatt acgagactca atcggacatc 420

cgagttaaaa gt 432

<210> 2828
<211> 440
<212> DNA
<213> Glycine max

<400> 2828

gagcttgtgc ctcttctcgt gtggaatatg aatgttgcat atttatccaa agacccttaa 60

gtgctttgct gatggcttct tcccgttcca agcttcaaat ggagtgttgt attttacaga 120

cttaactgga catacagatg agtatgtaaa cagcatagta caccgcttca gcccagaaag 180

tgctaaggag tacctgtttc ttgagcatcg atctaaccat ctccataact gagcgaagct 240

ttgtatcgga cactccatgt tgttgaggag aagatgcgac tgtcaaatgg atcttaatgc 300

acttcatcct cacaaaatct gtcaaactca cgagaggagt actctctgcc gcgatcactc 360

attagtactt ggagtccgtt tgcacttttg agtacaagaa gggcctcgaa cttattgaat 420

actccaaaga cttttgattt 440

<210> 2829
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2829

agctngatct tttagttntt atctttaatc tctaatccct gaacgaactc ttctagtttg 60

taattcgaac tttaattatc ttttaattcg ttcctaaaga tagatcatct tatctgctgc 120

taactgcaca ataatccgtt aaagatataa cagatttatg tgtccagtat tttcgggcca 180

gatgtcctgg acatcgtatc cgacatcgtg gatcctgcag cttcacttct tttatcttgc 240

cttgtgcatt gtgcagcaac tccagtattt tcgggcaaga tgtcctggac attgtatccg 300

acatcgtgga tcctgcattg tgcattgtac agcaactcca gtgttntcgg gcaggatgtc 360

ctggacattg tatccgacat cgtgaatcct gcagcttcaa ttcttcattt gacatttcat 420

c 421

<210> 2830
<211> 427
<212> DNA
<213> Glycine max

<400> 2830

agcttgtcca tccacgatgt ctccaataga aaggttcact cctaaccatt tgctcacacg 60

aacatgaaat tggacatcac cataatcaaa tccatgtgtc ccacactcaa agataagctt 120

acaaaataat tataattaaa acaatttaag aaacatcaat taactatgac ataaactcta 180

tcatctttag atcatggtat ttgaaagtaa ataaaaccaa taacatccag ctcacataag 240

ccaaacatct catattcaac tatcatgaaa caattcaaga atcaacatca tgcatcaact 300

atcaagcatt atcaacatga gttcatcaat catcatcaac atgaacacca aacatcaaca 360

ccaacgacag actctactcc atggatattt acaccacatg atgaattaac caaagtacat 420

ccccttaa 427

<210> 2831
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2831

tccttaagtc acctgcggca tgcaagcttc tcatagtagc cctccatgtc gttcccgaac 60

actaatgcga gccccatccc gtgataatca cgcgcttctt tgggtccttc tgccgctgcg 120

cggggacacc tttggcgcca ccgtggcgga cacgaagaac acgcgcttcg cagaggtggt 180

gcgtcgcttg gcggcggcat tgttggggcc ctaaagaggg tccaagggag aaccgtggag 240

ggtgatgatc acgggaggac aggaggcgcg gtagagagag aatgttctcg cggtggcatt 300

gttcgtcgga gtctcgatgg catcggcatt gttcgtcgga gtctcgatgg cgccgccacc 360

tacacatgag gttctcgcgg tggtttgggg gttggagatg gggaggacan gangcgcggt 420

aaaaagagaa tggaagggat tttgtaattn gtgattttag agagagaaat aatctagct 479

<210> 2832
<211> 431

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2832

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ttctccctta tcatctagct ntgtcctcct ttgaattgga atgtgggcat aggcgacaca 120

cccaanaatt ctgaaatgac ctactactgg tctttgtcca ctccatgctt cctctggtgt 180

catattttga acagcaagtg tgagtctttt attcaaaata tgaacgctcc aatttacagc 240

ttcaggccag aaagttttgg aaacactact ccttgtcaaa aggcaacaca ccatgttcat 300

aattgtgcaa ctcttcctct cacaaacacc attttgttga ggtgtatagg cagctgtaag 360

tttcctcttg attccatggg cctcacaaaa atttacaaat tcatgtgagt tgtattctcc 420

accacgatct t 431

<210> 2833
<211> 454
<212> DNA
<213> Glycine max

<400> 2833

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ggacattgtg tgagactata tttgtctcct ttctaaattg gaacgattga tgttgagcac 120

ttttccatcc taaatatctc tagtacttta ttgatatata ctttctgaga taagcctaac 180

aatccttgtg atctatttta gaatatttct atccctatca catagcttgc ctcacccata 240

tcctttattt ctatgttact agaaagaaac ttattagtct catgaagaag accaagatca 300

ttagttgcaa gcaatatatc atcaacatac aggattagaa agataacctt actcctactg 360

accttaagat atatacaccg atcaacagta tgttccttat atccaaagga aacaatggta 420

tcattaaact tcacatacca ttggcgggaa gctt 454

<210> 2834
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2834

tgtgcattca atatcctaat gagggtgttc catatgttct caatactgga ctaatacatt 60

tgcttcccaa gtttcatggt cttgcaggtg aagatcctca caagcatctt aaggagttcc 120

atattgtttg atccaccttg aagcccccta atgtccaaga agatcatatc tttctaaagg 180

cttttcctca ttctctggag ggagtggcaa aagattggtt gtactacctt gctcccaggt 240

ccatctgcag ctcggatgaa cttaagagag tgttcttgga gaaattcttc cctgcatcta 300

ggaccactgc catcagataa gacatttcan gcatcaggaa acttactgga gagagcttgt 360

atgtgtactt ggaaagat 378

<210> 2835
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2835

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ctggttggtt gcaggtatct gtttgtatat ctctntataa atggatttga ggtaactctt 120

gtatttttt ttattagaaa ttaattctac ttgtcataca taattattta attaaataaa 180

ttatttttat aatgtgaaca taacataatc ttatatcagn tgtatttatt ataaatataa 240

tttctttgtt gataaaaaat gaaaactaga atttaatatc aagttatttt tgttagcatt 300

tgacttatag tgagttaggt tctccttttg tgatttaaga tggaattcaa taatagaaaa 360

ggtgaagaaa ataaaataaa aacagaacta agttgaactc aatctcctca tgatagtctg 420

ctctaact 428

<210> 2836
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2836

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gcacgagctt gtggcagcgc ctcaagtcct caggaatctc atcagagagc gtgttctgag 120

agagatcaag atgtgtgagt tcagtgagct gcgagaaatt cttaaatatc tcaccagtga 180

tgtcactatt agaaaggtct atgcccacca ccctcttcgt agcactgcat gaaattcctt 240

tccattcaca aggattggag ctattggtgt tccaatatat gtaccctcct ctgtctgcaa 300

gaattttgct ggccaggtac aatttcagct tcagcagaac ctctttgtct ttgtccaaag 360

attcccctac aacagcttta cctgccaaaa ccaaacacaa aagcaaaaaa naaaaaatcc 420

tcggtaaaca caaagacaca agtttataac t 451

<210> 2837
<211> 353
<212> DNA
<213> Glycine max

<400> 2837

tccgttgttc aatttcgagg atctcgatat attatgtacc cgaatcgtac atccatgtga 60

aaagttatga atatttgaat ttctcgagag ttgtcgttgt tcaattctga gagtctcgat 120

atattatgtg cctgaatcgg acatccgagt gaaaagttat gaccattgga atttctcgag 180

agcgtcagtt gttcaatttc gagcgtctca atatgttgtg cgcctgaatc ggacatccga 240

gtgaaaagtt atgaccattt gaatttctca aagagcttcc attgttcaat ttcgagcgtc 300

tctatatatt atatcaccga atccgacagc cgagttataa attatgaccc att 353

<210> 2838
<211> 452
<212> DNA
<213> Glycine max

<400> 2838

agctcgaaat tgaataatgg aagctctcga gaaatacaaa tggtcataac ttttcactcg 60

gattgccgat tcaggtgcat aacatatcga gacgctcaaa attgaacaac agaagctctc 120

gagaaattca aatggtcata agttttcaca tggatatccg attctgtgtt ataatatatc 180

gagacggtcg aaattgaaca acgactcgag aaattcaaat ggtcataact tttcactccg 240

atgttcgatt caggcgcata acatatcgag acactcggaa ttgaacaatg gaagctctcg 300

agaaatacaa atggtcataa cttttcactc ggatggccga ttcaggcgca tcacatatcg 360

agacgctcaa aattgaacaa ccggagctct cgagaaattc aaatggtcat aacttttaac 420

tcagatgtcc gactcgggga tgaaacatat cg 452

<210> 2839
<211> 465
<212> DNA
<213> Glycine max

<400> 2839

agcttgcaaa tctgttttaa atcctgttgg accttgtggc ctcaataatc ttacgaggga 60

taggcttaga atacagaaga agcaacaaca atcaatttaa caatgttctt taaacatgca 120

agacacaatt gattgcaaca aaataaataa gataagggaa gagaaaatgc aaacacaatt 180

ttatactggt tcggccactt cccgtgccta catccagtac tcaagcaacc cacttgagat 240

ttccactatc tttgtaaaat cctttacgaa gtctgaacca cacagggaca acccatccct 300

tgtgttcaga tgctttacaa caagagactc acagtctctt aaccaatctc attgaataag 360

aagaatggaa gaagaattct ctcttcaaga gaagaatatt acaatgaaga tcatgtaaga 420

atccttatag attttgcaag tgtttggtca aggatttctt ttgag 465

<210> 2840
<211> 456
<212> DNA
<213> Glycine max

<400> 2840

agcttggagt ttccaagtgc caattcgtct tcttctttag tccagtcttc ttctggcttc 60

aattcttcag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120

acagctttcc aggttctgct atccagtgat ttgaggaagg ccaccattct tgctttccaa 180

tattcatagc tgcttccatc gagaattggt ggtatgttca ctggtccgcc ttctttctcc 240

atgttcatca gaatttatct ccctagatct cactctgtga tttcgagtgt tggctctgat 300

accaattgaa attctgatac caggggacag atgtcgtaca ggatgtcacg acatcacgct 360

tcagaacatg cagattatat gtgtccgtat gaacagatta aacaagtaaa taacacaaga 420

gaattgttta cccagttcgg tgctacctca cctaca 456

<210> 2841
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2841

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aatgctgttg tgagtcaatt ccacactgta tttcaggatc acatcatact tcctccccag 120

aggtctcaag tgcatcagat taagttgttc tcagatcaga acccagtcca tgtaaggcca 180

tatagatatc cacatcacca aaaagaagag attgaaagac aagtacagga gttactggag 240

gcaggggtaa ttcgtcctag catgagtgct ttttcaagcc cagttatctt ggttaagaag 300

aaggatggga gttggaggat gtgtgtggac tatagagctc ttaacaaggc caccatacca 360

gataagtacc ctataccta 379

<210> 2842
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2842

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tgctctacct ccttaatttg tcaagtttta gcagtggcct caatgtactt gaagtgaata 120

ttaggatcct cactttacaa gacagaacaa aaaaattact ataattgaaa aacaaagtga 180

agcagaccaa ctagtgaact gaggtcatgt tcactctaca ataagaaaga attggagctc 240

aagtatgcac ccaagaaaag gtatagtcct tcataagatt tgaattgctc aaagagtttg 300

atgcatgcat caacacccac ttgctcaaaa tattccttag tggtatgtaa atcatgtact 360

agtaagattc ccttatagat gaattgtgaa attcaaaaaa ttaaatagaa catgaatctt 420

atggcaacat tatccaaaaa cagtacctgc aca 453

<210> 2843
<211> 444
<212> DNA
<213> Glycine max

<400> 2843

tgtagacaaa ctatactaga agaaaaaaaa agtttaatag ccatgttgaa gtgtaaacct 60

acacactttt ttttttagt tgccacataa tattaaatct taattatctc ttcaacaaaa 120

aggtaattag aattaaacac atgctaagca taaaataaga aaaatatgtt taagaaatca 180

ctatttgaaa agagttgttg tgtttaagaa tttataacaa ttttttctca taaattactg 240

actatttgaa aatcactaaa atgttgcgat atttctattt tgattgaaaa gattagctaa 300

atgaagtaaa gtagagatta tttgaccatg aaagcgaaaa ataattctta tattactttt 360

ttttttataa aaatacattt atcattcatt attcttttta atttatttaa acaataaaaa 420

atatatttca tccacacaca attc 444

<210> 2844
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2844

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ccctcattaa gaactagcta tnttcttcct ctattgcctt tagttgaata caccttttgtt 120

tggttctcta tttggttctt aaccctctca tgcaacttct ttacaaactc tgacctagat 180

tccccttctt tatatataaa agaagtgtcc agtgggagag gaatgaggtc aaatgatgtt 240

atgggattga acccaaagac aacctcaaaa ggggactgct tggtggttct atgaaccccc 300

ctgtagtagg caaattctac atgaggaaga tactcatccc aag 343

<210> 2845
<211> 417
<212> DNA
<213> Glycine max

<400> 2845

ctttgtgatg ttgactatgt tggagacaaa gttgaaagga gaagcacaac tggaagatgt 60

cacttcattg gtggaaaatt ggttgcattg atatgcaaga agcaaggttc aactacgttg 120

tccattgttg aagcataaca catgctagct accagctgtt gtgctcaact actttggatt 180

aagtaccaac ttgaggacta caacatctat gaaagtaaaa ttcccatttt ttgttataac 240

aaagttgtca gtagtctttc aaagaatcca acattgcatt caagggcaaa aacatataga 300

aagtaagcat cattttataa gagaccatgt tcagaatggg acaatggatc tacagattgt 360

acccattgat gatctacttg ctaatatttt cacaaaaccc ctcgttgagg aaaaact 417

<210> 2846
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2846

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tgtgtccagc atcttgggat gttcccagcc tttgatgaca gctttacagg ttctgctatc 120

cagtgatctg aggaaagcca ccattctggc tttccaatat tcatagttgc ttccatcaag 180

aataggtggt ctgttcactg gtccgccttc tttcttcatg ttcatcaaaa tatatctccc 240

tagatctcac tcagtgattt cgagtgcctg ctctgatacc aatgaattct gatactggga 300

c 301

<210> 2847
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2847

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tttatgattc ctgattcgaa tcctacattc cgataaaatt cagctactta ttgattcata 120

ttattaatat tagacgaatc tcaatttttg tatcttacgg tacatgaatg aatctgcaca 180

atttcatatc atcaatacaa atcacatgat tcaatagttt gattttcttt tatttttctt 240

tcaccaattc tcatgaaaag aattgaaaag tcatttaagt gaaattgata aatgaaaagg 300

aattagagga atatatttnt aaaattgtcc tatntgatta tttcacaaca ttanttgtca 360

ttcatttatt cagtgcatgc actgtatttg tctatttcag ctgcttcatt tttttctaaa 420

ataaaagctt cacaaat 437

<210> 2848
<211> 410
<212> DNA
<213> Glycine max

<400> 2848

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agtgggctga accatggcta aaattcacta atcataatta gtgaaatttt ggctccacaa 120

atcaatttca aattcaagtg aaatttgaat ggaaatttaa atttccctcc agtttttgt 180

gacacttagg ctataaaaag aagtcatgtg tgtgcatttt atcaactttg atcatttgag 240

aattacactt caaagttcag acctcatttg aggcacaaaa tttagtgttc cttctctccc 300

tctccctcca ctcatcttct cctttcttca agctcttatc catggcttcc tatggtggtg 360

agcttcttct tgactcatct tcttcttgaa gtggcatctc caatcatctt 410

<210> 2849
<211> 433
<212> DNA
<213> Glycine max

<400> 2849

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aagtatggac tttagttgaa gcttcaaagg atataaaaac aattggttgg aaatgggttt 120

acaagaaaaa ggatattgga gcatattgga aggttgaaac ctacaaagtt tgtcttgttg 180

ccaagggata ttgtcaaagg aaggtataga ttatgatgaa acttttcaac ttttctcccg 240

cggcaatgct caaataaatt caaattcgtt tttctataat agcatactat gatcatgaaa 300

tatgaaatgg atgtggaaaa tggttttcct taacgatgaa ctaaaagaag atgtgtatat 360

gacacaacct aagggaatca catccttgtc tgatcataat aaaagctaca agtttcaatg 420

attcatttat gga 433

<210> 2850
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2850

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acttctgact tatacttgag aaagtaatcc aacacattct agtgaaatca tctataaaga 120

tgatgtaata tttacttttt ttaagcgaag tagtcctttg aggttcggcc aaatctgcgt 180

gaatcaattg cagcttctct gttgctctcc acgttgattg tttgaagggt aatcttgctt 240

gcttgccata ttggcatgct tgacagcatg gtaatttaga atctaagtga ggtaagccat 300

gaaccaactc ctttcgtttc atgttcaaca cagttgcatg atgaaaatgg tctaatcttt 360

tgtgccaagc ttctgtacta 380

<210> 2851
<211> 392
<212> DNA
<213> Glycine max

<400> 2851

tgtgcatcca ataccctgat gaggatgtcc catatgttct taatactgga ctgattcatt 60

tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacatttg aaagaatttc 120

acattgtctg ctccaccatg aaacccctag atgtccaaga ggatcacata tttctgaagg 180

cttttcctca ttcattagag ggagtggcaa aggactggct gtattacctt gctccaaggt 240

ccatcacgag ctgggatgac cttaagagag tattcttaga aaaagttttc cctgcttcca 300

ggaccacaac catcaggaag gatatctcag gtattagaca actcagtgga gagagcctgt 360

atgagtactg ggagagatta agaaactatg tg 392

<210> 2852
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2852

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aagtactttc ggtacatgaa tctttgattt ctaactatgt tattcttttg ggatgagatt 120

ctctagaata gggatttttt gcttggttat tatttcactt tttcaaaaat aatgagttag 180

ttaggaatgt actaatgatg taaaatagct ctacactgtc attaaattta aattattgtc 240

tataaagtta acaaatttat tataaataat aatttttgat tggacaatgt aaaatgtctt 300

tattgtatca atgcatagtc attcttctca taaatgaaat tatgatgaga aactctagta 360

atcattcact caattatcgt gagaattatt aattctcact tcataaatat tctaagaatc 420

tctttaggaa atatttntat tctattgtag ccatatgg 458

<210> 2853
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2853

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tcattccgct accattaaac ttcaagaagc aaaggactct attgattaag aagatccaag 120

tcctacaagc tccacatgga gctacatcag ggcctgaatg actattgttt gtgaacaaac 180

tccttcagaa ggctgagctt gataagctct tctatcttat ccttcagagc actgcattgt 240

tttgttgagt ggccatgctt gcaatgtgtc gcaacctacc cttttgcggg caagcgaggc 300

gaggctcatg ggtgcgtctt acacaggagg aaaatgcgcg gagtcgccac caacgtttat 360

tgaaaggaaa atgttagaaa aatccacagg aaacagtcat gaagaatac 409

<210> 2854
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2854

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atgacgcatc cactgaatta aatcactttt aatagcattt tttctcccac ttgctctgag 120

tatttacatt agagtacata agccttttaa tatatgaaac tctataatat tctcatatga 180

atgactaaaa caaaagaaaa tcaatctttt tactatttta ttcacaatct aaatgtaatc 240

acttactatg agtttaatcc ttaaatatat attcatatga ttattctaag atttaaacta 300

atatgattgg aaaactgcat gcatnttgaa tgaattatct taaaaattgg tagtttgaag 360

gaattaatgg tnttttagat taacaaaata atttaatcat ttacgctcct tgaaattcac 420

actggaaatg acatgcttat gtaatac 447

<210> 2855
<211> 115
<212> DNA

<213> Glycine max

<400> 2855

tgatggggcc tatgcacgat ggaagccttg gagggaagag tatgcctatg atgttagaga 60

tgatttcttc aaatttgcct gggtctactt tattacaaga aaatccaaaa ccttt 115

<210> 2856
<211> 348
<212> DNA
<213> Glycine max

<400> 2856

agcttagtaa agctaggcac taacatatct ctttgctcgg atgtctgata gagtcccata 60

atctattgag acgctcgata ttgaattctg aacctcacag ctaatgtaaa cgacaataac 120

ctgttactcg gatgtctgat tgagtcccgt aatatattga gacgatcgaa attgaattct 180

gaagctctga gctaattcaa acgacaataa ctttttact cagatgtcta attgtgtccc 240

gtaatatatc gagatgatcg aaatctaatt ctgaagctct gacctaattc aaatgacaat 300

aacttcttgc tcggatgtct gatagagtcc cataatctat tgagacgc 348

<210> 2857
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2857

agcttaagct ccttcaactg cacaaggctc ttaatatttg aatagtatcc ttatggaacc 60

ttcacctgac gaagacgctg agaaaaactt atcttctcct ttttggacaa agtatgacaa 120

gctaggggca agtaaatttt cttcccatca aaccttggat gcaactgtga tcgtatccct 180

atctcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccctg aatgttaggg 240

agcatcccaa tcacactgtc acatacattn ttctcgacat gcataacatc aatacaatgt 300

ctaacgtcta gatcagacca atacggaaga tcaaagaana tggacctctt cttccatata 360

gaagtcttac ttttatcctt cttttgggtc 390

<210> 2858
<211> 414

<212> DNA
<213> Glycine max

<400> 2858

agcttgatgc acaatttcat tgaagagaca aatattacta tatgaatata acatgtatat 60

aaaatgttga gataaattat aaagactaag agaagaatta tgacaaaaaa aatgagatga 120

atagtattgg agttatgatt atgatcatgt cgagctttgc acaagttaac aatgtaccta 180

ttaaatttgg gtgtgattcc aaatgttgag aaaaatgtct agattcaatt tccatttttc 240

catatcaagt gtggttctgc atgtgtatga aaaaatgtca taaaaagtcg aataagaatg 300

gtattcattc tcttaccact ttttaagggt gtgtaattat tattttataa tcgaattaat 360

tataatctta catgttctta tcattgactt atttcttaga tgctgatcat acat 414

<210> 2859
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2859

tcagaattca atntcgatcg tctcgatata ttacaggtct caatctgaca tctgaggaaa 60

aaagttattg tcgtttgaat ttgctgagag cttcaacatt caattttgag cgtctcgatg 120

tattacggga cttaatcaga catccgagtt aaaagttatt gttgtttgaa tttgctgaga 180

gcttcaacat tcaatttcga gcgtctcgat attttacggg actcaatcag acatccgagt 240

taaaagttat tgtcgtttga atttgctgag agcttcaaca ttcaatttcg agcgtctcga 300

tatattacgg gactcaatca gacatccgag taaaaagtta ttgtcgtttg aatttgctga 360

gagcttcaac attcaatttc gagcgtctcg atgtattacg ggactcaatc 410

<210> 2860
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2860

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acaatgcgcg cataaaccca ccatcccctg ttgcccacct ccaactgagc acacgtactc 120

ccacgtagcc catatcctcg tttctctcaa caccgggtcc cgtaatatat cgagacgctc 180

gaaattgaat tctgaagctc tgagctaatt caaacgacaa taacttttg ctcggatgtc 240

tgattgagtc ccgtaatcta ttgagacgct cgaaattgaa ttctgaacct tagagctaac 300

tcaaacgaca ataacttatt actcgaatgt ctgatt 336

<210> 2861
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2861

tgccgccacg gagttntccg actatgctct tgtgtggtgt ttgttattat gcaagttgaa 60

gtggacgttt ccattgggaa atacaatgat aaggtacttt gtgatgttgt tcctatggag 120

gccagtcact tacttttggg gagaccatgg caatttgata aaagagccaa tcatgacggt 180

tacaccaaca agatctcttt cattactttt ggtgttgcat aaaaaatgta caatgtaggt 240

cggctaggtt tttttgtgcg agctcaaccg acattttgtt tcggccgaaa ctggcatgtt 300

cccatttatt ttggccagga aaacattagc ccacctcggc aaaaaaatat ttgctatccg 360

acttcatgca tatttcattc acggaatgaa cttgaaactc attaaccgac atctggtcgg 420

aaatagcccg actgaacatt ccc 443

<210> 2862
<211> 372
<212> DNA
<213> Glycine max

<400> 2862

taacactaag aaagcagaag ccatgattcc agcaactgcc tctggactca tttgtggaga 60

aggcctgtgg gctcttcccg cttccattct tgctcttgcc aaagttaacc cgcctatctg 120

catgaatttt cttgcttcct agaacttgat caactacatc aaaccaatga atgccataat 180

tagttagtta attaatacta ctatatatgt tagcaggtac acttcataca taaccaaaat 240

gctataaata ttccaagtgt ctggccattg ggcttaagaa cattgtatta ttgcttacta 300

caactctgta ggaaaagtca gttcctgtta attgatctct cggaagggaa tttcttcttc 360

acaggagtca ta 372

<210> 2863
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2863

gcttaaggac gacgaatntc cagtagcaaa gtacatccta gcacctcccc aaacgtactc 60

atcccagtaa ctggtagaat tgtaaaatat tgaagcctct gaactcccag cactgtacct 120

gcctctctga tccctggaaa acttgaacag cgtggtcgca ccatgcacca gtttcttgga 180

ataggccttg ttgtccttga aaacaatgga agcagaagcc aaggcagcag ccatctcagc 240

cgcgagatcg gaacaactgt ggcattcagt cacagggcgg tcatagtcca tgtccttcgg 300

acgcatccag caatagtgat cattcngact gtcaccacca gaagtatctc caagcccaac 360

ctgtcaaaca agcccaaaaa acataattga gaaacatcta cccacagtca caccac 416

<210> 2864
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2864

tanacattca acttcgagca tctcgatata ttacgagtct cattcagaca tccgagtaaa 60

aagttattgt cgtttgaatt ggctcagagc ttcaacattc aatttcgagc gtctcgatat 120

attacgggac tcaatcagac atccgactaa aaagttgttg tcgtttgaat tcactcagag 180

gttcaacatt caatttcgag cgtctcgata tatgacggga ctcaatcaga catccgagta 240

aaaagttatt gccgtttgaa tttgctcaga gcatcaacat tgaatttcga gcgtctcgat 300

atgtgacggg actgaatcag acatccgagt aaaaagttat tgtcgtttga atttgctcag 360

agcatcaaca ttcaatttcg agcgtctcga tatattacgg gactcaa 407

<210> 2865
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2865

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atttatcgac acgctcgaaa tagaatgttg aagctctgag caaattcaaa cgacaataac 120

tttttactcg gatgtctgat attgtcccgt aatataacga gacgctcgaa attgaatgct 180

gaagctctga gcaaattcaa acgacaataa cattntactc ggatgtctga ttgagtcccg 240

tcatatatcg acatgctcga aattgaatgt tgaagctctg agcaaattca aacgacaata 300

actntttact cggatgtctg attgagtccc gtcacatatc gagacgctcg 350

<210> 2866
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2866

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atcgagacgc tcaaaattga gactagaagc tctgagcaaa tttaaatgac aataactcta 120

tacacggatg tccggttgag tcccgtaata tatcgagacg ctcgaaattg aagacggaaa 180

ctcttagaaa attcacacga cgataacttt ntactcggat gctcgacaga gtgtcgtaat 240

atatcgaggg atgctccaaa ttgaaaacgg acgctcgtat catattcaag cgacaataac 300

tatgtactcg gatatctgat agagtcccgt aatatgtcga gacgctcaaa tattagatgc 360

ttagctctga caaaattgga ttgacaataa ctttatacac ggatg 405

<210> 2867
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2867

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cgagtaaaaa gttattgtcg tttgaattcc ctacgagctt cccttnntca attggagcgt 120

cttgatctat tacaggactc aaccggacat ccgtgtaaaa gttattgtca attcaatttt 180

ctcagagctt cggatctaaa ttntgagcgt ctcgatatat tacgggactc tatcagacat 240

ccgagtaaaa agttaatgtc gttggaattt gatacgagct tccgtattca atttggagca 300

tctctcgata aattacgaca ctctgtcggg catccaagta aagacttagt ggccgttgaa 360

ttttctaaga gtttgcgttt caattgggag cgtctcgata tattacggga c 411

<210> 2868
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2868

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caattccgag cctctcgaca tattatgcgt ccgaatcgga catccgtgtg aaaagttatg 120

accatttaaa tttcgcgaga gcttccgatg ttttatttcg agcgtatcga tatattataa 180

gcctgaatcg gacatccgtg tgtcactata tgttataagc atttgaattt ctcatgagct 240

tgcgttgttc aattttgagc gtctcgatat gtgatttgcc tgaataggac atccgtgtga 300

aaagttatga ccatttgaat ctctccagag ctttcgttgt ttcatttcga gcatcttgac 360

atattatgc 369

<210> 2869
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2869

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gaggcttatg acttgatagt gagaatggca atgaaaccta acgacacagt ttttggggga 120

atgcttggag catgccggat tcattctgat atgaagatgg cagaacaagt aatgaagttg 180

atctgtgaag acnctgttac tggtgctagt tctcacaatg tgcttttgtc aaatatctat 240

gcagcttctg aaaaatggga gaaagcttga aggatgaaga gcatagatgg agggtctcag 300

aggatacccg gatgtagttc aataatcttc agtgactt 338

<210> 2870
<211> 477

<212> DNA
<213> Glycine max

<400> 2870

tatcaggcga tactatataa tactgctgct tctagcgtac ccgctattgg tgctcataca 60

ataccaaact tttataccтg ttattactag ctatattgaa ttctttagat cctgaatgta 120

caaccttcaa attgttgctc gttcccgtat atgttatttg caaaaaataa aattaatctg 180

aaacaattct agctgaattg ctatcgatat tattactcat accataacga ataacagcta 240

aacaagtaat ttaaaatgta actgtcaaat aatgtggtat ctttttaatt acaatcttac 300

ttcaatatct aattttgtta atctacttat gacgatcttt aaatataaat atgaatttaa 360

aggtgatcta ctgataatat aaagtacttg ctcatcacaa attatgatac ctatcaattt 420

aaatcttaac ttaattctat aagtattaat taacatataa tacgacaaat ttttaac 477

<210> 2871
<211> 370
<212> DNA
<213> Glycine max

<400> 2871

taaagtcttc ctctattata acatggtctt cagggagaat ttcgtgctgg acccccagct 60

aacaaaacca acaagaaccc atcaaaagaa gccttcatca cctcagtaat tacatgcgtt 120

atgactctat catgcaccgt agacaatata atcttcaagc attggttaag ctcctcaaga 180

aaaggctcaa ttctcgtgga tgaaacttca ccaacataca ggccatccca aagaacataa 240

cgcagatcct ggaaaatcac tttgtatgcc atggcctcgg agagttgacg gataccttcc 300

acagatgcag ctttagaaag cttgaacttc aaccccttct ctataccatc ctcttttgtt 360

gatttagaat 370

<210> 2872
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2872

ccgcagagtg gatatctagn catgacattc ttttttatg ggaaaaaaaa ttatgtgacc 60

atacttagtc atgacatcat catagctgca ctacactgcg agtacatatg tattttataa 120

ttctaagaga ttcacaagca tctatgataa tcacaatcat aagcatgatg taggttaagt 180

tttgataaat cttctcagtt agttnttaat tntttattaa ttgacaaaat tatttctcag 240

tctgataaat aaattcttta atagatttta tcattgttta aaatgttact tacaaattaa 300

ttcttttaga atactgacta tntaagttcg gatctttnta tatgtttttt tatcttcaat 360

atatctattc aagtttgtag ttattctttc taaataaatc aaccatgatt ttatcgaatc 420

tttcagatat ttaatag 437

<210> 2873
<211> 360
<212> DNA
<213> Glycine max

<400> 2873

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gttggaaaac aacctttttg cgccccttgt ttgcatgttt agcataactc tcattcctct 120

tttcaatttg ggcctagact ctttcatgga gctttttcac atagtacact ttggcttgtc 180

cttccttatg ctttaaaact gaaatattat gccttggcaa catatcacga ggagttagtg 240

gattgaaacc ataaacaagc tcttaaggag aacaagtagt ggtgctatgc tcactcctat 300

tataagcaca ttcaatgtga ggttagcgaa ctctcccatt cttaagattc tttttcaaaa 360

<210> 2874
<211> 378
<212> DNA
<213> Glycine max

<400> 2874

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gctaagggta gagagaggaa gactagagat ttggatcaag tgaagtgtgt taaggatgaa 120

gaaggcaaag tcttagtgca tgaaaaagat atcaaggaaa ggtggaaggc gtatttccac 180

aacttattta atgatggata tggatatgac tctagcagtc tagacacaag agaagaggac 240

cggaactata agtactatcg tcggattcag aaacaggaag taaaggaagc gttgaaaaga 300

atgagtaatg gtaaggcggt ggggccagac aacataccta ttgaagtgtg gaaaactctt 360

ggagatagag gtcttgag 378

<210> 2875
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2875

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gagagtttcc gttgtgcaat ttcgagggtc tcgatatatt atgccccata ttctaacatc 120

cgagtgaaat gttatgacca tttgaaattc tagagagctt ccgttgttca atatcgagcg 180

tctcgatata ttatgtacca cattccgaca tccgtgtgaa aagggatcac cattcgaatt 240

tctcgagagc ttccgttgtt caattttgag agtctagatg agttatattc gccaatcgga 300

catccgtgtg aaaagttatt accattc 327

<210> 2876
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2876

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atagtgataa caatagaatc aatgtcttca cctcatcctt aaatttaatc tgcactgact 120

ctaactggac aagaatagta ttaaattcat taatatgatc agttatagag ataccttctc 180

ccatcttgag gttgaacaac cgacgcatca agtatacttt gttggctgct gaaggcttct 240

cgtacatatc tgataacgcc ttcattaagc ctgcagtagt cttctcattt acgatgttga 300

atgtgacgtt cttggctaat gtcaatctga tcacgcaaat agcctatcga tctagcaagt 360

ttcattcttc ttgcttcatg tcgtctggct tatcccctaa taacggttga tacaacttct 420

tctaatat 428

<210> 2877
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2877

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atatatcgag acgctcgaac ataaacaacg aaagctctcg agaaattcaa atggtcataa 120

cttttcactc ggatgtccga ttcacgcgca taatatatcg ggacgctcga aattgaccaa 180

cataagctct cgagatattc aaatggtcat aacttttcac atggatgaca gattccagtc 240

catgaatgat cgagacgctc gaaattgaac aacga 275

<210> 2878
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2878

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tccagtggag acaataattg aggttccaag ggtgttagac atcatggttg catggtaggc 120

aaacatctca cacatgtggt tcttcaacac ttgaccaatg ttaggtggca ttttaccacc 180

aagtatantg gcttctgtcc gcaatgctac tgtgtgcatt acttgcacag cttttagtgg 240

gaacttttca tgagctcgtt ctccacacaa cattattcca tcataacctt ctcaaacagc 300

aattgctata tttgatacct ctgttctggt tggagttggg tgaacaatca tgctgtctat 360

catatttgtt gtcacaataa cagacttttc catgctacaa cacaagttga tta 413

<210> 2879
<211> 357
<212> DNA
<213> Glycine max

<400> 2879

gacaatggta gtgcaatctt gttgtagtcc tggatgaatc ccctatagaa acttgcatgt 60

ccaagtaaag aatgcacttc ctgcacagaa gcagggtgag gcgaagaagc cataacatca 120

atcttggcct tattgacctc aatacctcta ctagagacca aattccgtaa gactattcct 180

tcatgtacca taaaatggca tttctcaaag ttaagaacaa agttattctc aatgcatcgg 240

tcaagaactc tagagaagct atccaaacat acataaaaaa aggaaccata aatagtgaag 300

tcatccataa acacctccat gcaactctcc aataaaatag aaaagatact taccatg 357

<210> 2880
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2880

agcttaccat gagtattaaa aaacttcaaa actgcctaat actaacctta tcatgttata 60

tcaaatagtc acgacaacac tataatgtgt agagaggcac aatgtcctaa cataaatcaa 120

tatgaccttc tatcactata aaataaatgc tcggtcattt atatttaatt aaataaataa 180

agagataatc atttcataac atacagtata ctacaacact tccaaaatgc ttagcaaagc 240

anaatgctct acataaatca gtatagtatt ctattaacac aaaatatata ttcttttatt 300

tatatttaaa tattntaatc ttacaaagat catttaacaa tagcacacag tgtacaccag 360

ttttcgatct ggttgctact ggtctgattt ggttgagatg gtatatntca gctcaattca 420

tctaaataac agcagaaagt atgctatcag acaatgaaaa ta 462

<210> 2881
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2881

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caactgagaa ccccattggt tggtccatac aaacattctc ctctaaatct ccattcagaa 120

aggcggtttt cacatctatt tgatgtagct ccaagtcata atgggctact attgtcatga 180

taatcctgaa agaatccttt cgtgagacca agaaaatgtc tctttataat caatgtcatc 240

tttctgagta aattccttag caacaagtct agccttgtaa cgttcaaggt tgccatgaga 300

gtcacgttta gtcttgaaga cccacttaca accaactctc ttacaacccc ttgttaattc 360

tacaaggtcc caaacaccat tantgtccct gaaatctatc tcttctttca tggcagttaa 420

ccacttctca gaattatcac aacttatagc ttgtgaaaat g 461

<210> 2882

<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2882

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actagctcta tcttccctat aggagaggga tcgtcataag tcgcgacgtc tacttcgacg 120

aagaagattg ttgggattgg actgctcgcg aagactagta tgactatctt ccttattttg 180

aagaagatgc tgatatcgta caactcatca tggaggaaca tattgcacca cctgcctcac 240

cgacacctac gctggatgaa acttgttcat gtgagaggac tccgcgacta aggagcattg 300

aagagattct tgagggaacc cataacctaa acgacattaa cctcttttgt ctttcctgtg 360

gttgtgagcc tctaatctct ca 382

<210> 2883
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2883

aagttcttcc tcaacactgt cctaagcaaa gttcccaaag tcctattaac aacttccgtt 60

tgcccatcgg tttgtgggtg acaagtggtt gaaaataaca atttagtgcc caacttgctc 120

cacaaagtcc tncaaaaatg gcttatgaac ttagagtccc tatcactaac aatgctcctt 180

ggcaaaccat ggagtctcac aatctccttg aaaaacaaat caaccacatg ggaagcatca 240

tcaactnntt tacatggaat aaaatgagcc attntagaaa acctatcaac aaccacaaaa 300

atggaatctc taccattgct tggttttggc agccccaaaa caaaatccat ggataaatca 360

atccaaggat actccgggaa tggcaatgga gtatacaatc catgaggctn taccttagac 420

tntgccctct tacatacaat gcaatgntca ca 452

<210> 2884
<211> 411
<212> DNA
<213> Glycine max

<400> 2884

agcttctaga ccagcaattc ttgtgcctcc gtagtataaa tgagttgcat caacatcagg 60

aaagatgccc tctccaaaga tatttttgca aaggtccata tggtatctgc aatgcatgag 120

aaaagaatca acaaccgcac atattaaaga atagagtcct aatgaaatat taaataagag 180

gaaagaatcc tgtcaataga ggagtatata aagtgaacag tgaggatgac gaacttgctt 240

tgcatcaatt tctgaggagc gtatactatc atttgatgga gccacctgaa agaatgcaac 300

ttcagtgcaa acttgaaacc accataatcg agtagaactg tcttcatcga tagcagattt 360

cttcaagtac tcctggtcat aagtctgcac attaacaccc aaggttccaa t 411

<210> 2885
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2885

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ggagcacaca ccacaaaccc ttgcgacagg tacagatttc tgattcaagg ccagctgggt 120

taccaagtta accaatgcat ccagtttgcc ttcaagcttc ttagtttcaa atgatgcaga 180

tgggtttgta gctacctcat gcactcctct aatgactatg gcatcatttc tggcgctaaa 240

ctgctgagag ttggaggcca tcttctcaat taaatttctg gcttcagcag gagtcatgtc 300

tccaagggct ccaccactgg cagcatctat catacttctc tccatattac tgagtccttc 360

ataaaaatat tggagaagaa gctattctga aatctgatgg tgagggcaat tggcacatag 420

tttcttatat cgcttccagt actcatacan gctctcttca ctaagctgtc taatac 476

<210> 2886
<211> 390
<212> DNA
<213> Glycine max

<400> 2886

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acgagacatc ttgccaaaca aagtcaggtt agccataact cgcttgtgct ttttctttca 120

tgccatatgt agcaaagtca ttaatcctgt caaatttgat gagatggaaa atgaggccgc 180

aattatattg tgtcagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cctgtttatt tgcggtggat 300

gtacccggtt gagcgataca tgaagatctt caaagggtat acaaagaatc tatatcgtcc 360

aaaagcatct attattgaga gggacattgc 390

<210> 2887
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2887

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agtcttagaa atggtatatt aaataggagg gaattccaat tgaagtagca aaaggtttgg 120

ccaagaaatt taagttaaaa agtcttttac aagaaattta ctctctggta atcgattacc 180

agaggatgta atcgattacc aatggccaaa actgatttac aatagctatt aaaatttgaa 240

ttcaaaattt gcactgtgta atcgattaca catatgtggt aatcgattac cagcaatttc 300

tgaacatttt aattcaaatt ttatagtttg taatcgatta cacatatact gtaatcgatt 360

accagagcag attttcagaa tatattctca acagtcacat ctttttgtgt ggttcttgaa 420

tggctatcac agggcctata tatatgtgac tt 452

<210> 2888
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2888

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tagcatcatt tctggcgcta aactgctggg agttggaagc catcttctca attaaattta 120

tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatatt actgagtcct tcataaaaat attggagaag aagctgctcc gaaatctgat 240

ggtgagggca actggcacat agtttttaaa tatctcccac tattcgtatg ggctctctcc 300

actaagttgt ctaatacttg agatatcctt cctgatgcgt gtggtcctgg aagcacggaa 360

aattntttct aagaatactc tcttaaggtc atcccagctc gtgatggacc 410

<210> 2889
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2889

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taggaaatga tttgcaaagt caagtcatga catatctatg gttcagaatt aggatgaaac 120

atttgcctgt gtgagattta tacactttga gcgatttccc tctatttcaa ctggacccaa 180

tgtttcttct aagcgctcat ttagaaacga aatgctaata tcctaaatct catttgtggt 240

tatgagaaaa ttctatcagc atgctttcct tcccaataga cacattgttt tcttcaaaaa 300

tacatgttgt ntgatcagtt gaaagttgtt tcttgctagc gtgttgcatt tagtgaaaaa 360

caccgagata cttagtctcg cctttcat 388

<210> 2890
<211> 493
<212> DNA
<213> Glycine max

<400> 2890

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aaggaaggat acaatgatca aacaacacat ctagaggcct tctcaagtta agcacctcta 120

gaaagggttc gattaatcaa ataaactgta gagctcacag cctcacccca taaatgagat 180

gggacattac catctatcaa aagtaatctt gtcacctcta atatatgtct atctttcctt 240

ttagccactt cattttgttg tggtgaataa gggcatgtag ttcgatgcaa gataccatta 300

aagttcatga actctattaa ttcagtctta aaatatatcc ctcaattgtc taatctaatg 360

accttaatat atgtgttaaa ttgtgagcta tcatctgatg aaaggaacac acaatatcac 420

acacatcact tttatgttta agcagataca cccaggttac ccgagtacaa tcatcaacaa 480

aactgataaa cca 493

<210> 2891
<211> 448
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 2891

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ccttctcccc acattcaaac tatccttgac cgttaccacc ctttgtttca aacacccaac 120

acccttcctc cgcaacgtga gacagaccac cgtatccatc ttctaccaca agccacacct 180

gtgaatgtcc gcccctaccg gtacccccat ttccagaagc aggaaattga gaaacaagtt 240

gaaattatgc tacaaaaggg ccttatacaa cctagtaata gccccttttc atcgccggtc 300

ttgcccgtca agaaacaaga tggatcatgg agattctgcg tggattatag ggcgctcaat 360

gctctcacca ttaaagacag gttcccgata cctaccgttg acgaaatgtt ggacgaaata 420

nggggtgctc attacttctc gaagctcg 448

<210> 2892
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2892

ntccncacca cctttcttct agatattgtt ttagatagcg gtttggtgtc acgaggaggc 60

atagacaaat cactactttc ggattcaggt tgatcaatct taacaggaga atggtctcgt 120

tgtcgctgct ctctgaagac catcaagagc ttctgagcct tctctcttcc tctcgaggtc 180

ccattcactg atattgacac caatgcaggt ataacccctt cttgcaggac catctgacaa 240

cattcctcac tcctgttaca caaaattagg agacaagaag cagcttgttc ctgctctatg 300

ggctcaccgg tatctagtgt ggaagccaac gcacttataa gtccaggagc caacatcatt 360

ttctctcttc ctgcttgata aaccgccaac attatcaaaa cagctatgca gttttctgtc 420

cacatgcaat caccctggtc tacaa 445

<210> 2893
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2893

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aaaacaatta tattgtcaaa tcaccctgta tataagtcag ccctttgctt gggcataaca 120

gaatgctaaa atagtcacca gttgcatagc aaagtatgca tttcaagtct gggcaatgca 180

gaaattcata gaaaggataa aaggagccga gatttgctat tcatgttaaa gaacataccg 240

tcacatcatc atagtagagg agcttcatca gaatagtgcg ctagggaaag aatgcagaaa 300

tcagagtttg taatgattac ttaaacttga agagagaata ttatgaaatt atcattcaga 360

gcatttgaat ttctttacct cttctggcat tntctccaga agtctcatca actgaaccag 420

agttcggatc atcttaca 438

<210> 2894
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2894

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cacnctcatt aagaattagc tctttccttc ctctatagcc tttatttgaa tacacctttg 120

tttggttctt aaccctctca tgccacttct ttaccaactc tgacctagat tccccttctt 180

tatgtataaa agaagtgtct agtggaaggg gaatgaggtc taatggtgtt aggggattga 240

acccatagac aacctcaaaa ggggatggct tggtggttct atgaaccccc atgttgtagg 300

caaattctac ataaggaaga tactcattcc aaggttgcct ttcagaaaac cccttaanaa 360

gatggataaa gacctattca ctacctctcg ttgacaatca gtttgtggat gac 413

<210> 2895
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2895

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ccaataggct gcttcttctg ctacacaacc tgaaagtgaa agatgttgcc tcaatttcaa 120

gagtgacatt ccaagtgtaa ccacggaatg gccattagca tttgtcaagg tgtatattat 180

atttcattca caatattttc tttcgtagca aaatggattt aattaaaaaa gttaacatta 240

taattttaat aacctcatga atctgattat aattaaatca ttaagtttta attaatgatt 300

ataattgtat attttctttt aaaatatact ttctaaacaa aaagctaatt tcagataaga 360

tattcttcaa gataattaan aaatgactac aggcttttgg ttctaaatag ggttcttcta 420

gtacgttaaa gacatactac tttagagtat naaagtggta tttgctctaa ttatt 475

<210> 2896
<211> 418
<212> DNA
<213> Glycine max

<400> 2896

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cccacattaa gaactagctc ctttcttcct ctattgtctt tagttgcata caccttttgtt 120

tggttctcta tttggttaac cctctcatcc agctccttta caaactttga cctagattcc 180

ccttctttat gtataaaaga agtgtcaagt gggaggggaa ttaggtctaa ggatgttaga 240

ggattgaacc tatagacaac ctcaaaaggg gattgcttgg tagttctatg aacccccttg 300

ttgtaggcaa attctacatg aggaagatac tcatctcaag acatatggtt gcctttcaga 360

agagccctta taatggtgga taaagaccta ttcactacct ttgtttgccc atcatttg 418

<210> 2897
<211> 416
<212> DNA
<213> Glycine max

<400> 2897

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ataacatgtg tgaggcattc aacaatgtaa taatggagta tagagataag ccaattatta 120

cactattgga gggaatccga ttttacataa gctctataat tgtcaagtta aggactatcc 180

tcatcacgta tgatggttca atctatccaa aagctcagca aatcattgat aaatataaaa 240

aagcatgtga agcatggcgg gcacattggc gtggtgatgt tgatttgtct ttatttgagg 300

tgtcaaaggg catggaaaaa tttgttgtca atcttaaaca atagacatat tatagaaagt 360

gggagttaac tagaaattca tgcactcatt ccataccatg catgtggatc aatagt 416

<210> 2898
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2898

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acaaagttga gctgcccggt gagtataatg ttagttccac cttcaatgtc tcagacttat 120

ctctttttga tgcagatgga gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180

atgatgagga catgaccaag aacaagggca aggatccact tgaaggactt ggaggaccta 240

tgacaagggc tagaacaagg aaagccaagg aagctcttca acaagtgttg tccatactat 300

ntgaatacaa acccaagttt caaggagaaa agtccaaggt tgtgagttgt atcatggccc 360

acatggagga ggactaaatg gcaccactct gtctcaattt tagagtggtt aattngtcta 420

aataatggcc caatccttgt aaagttggca gaccaaaaat atgttt 466

<210> 2899
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2899

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atgtccgatt gagtcctgta atatatcgaa aagctcgaaa ttgaatgtag aagctctgag 120

caaattcaaa caacaataac tttttactcg gatgtctgat tgagtcccgt aatgtatcga 180

aatgctcgaa atggaatacc gaagccctga gcaaattcaa atgacaataa ctttttactc 240

ggatgtctga ttgagtcccg taatatatcg agatgctcga aatggaatac cgaagccctg 300

agcaaattca aacgacagta actntttact cggatgtctg attgagtccc gtaatatatc 360

gaaaagc 367

<210> 2900
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2900

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aaaaggaatt ntccacctgg tcaataggta ttgttattta attctcgatt aagattgttt 120

ccaggtaaga tgaaatccaa gtggtttgga ccattcatca tcaaagaatt tatgccacat 180

gaagcagtga tactagagga tccaaccacc aaaaggacat ggactatgaa tggtagtagg 240

atcaaacact acctatgtgg agattttgag aggataatca ttgttgtcca tctacaagag 300

acttgaacca caacaaagat gttcagctag aaagacgtta aagaagcgct cctaggaggc 360

aacctagtat ttctaaacct tactctttaa ttntcttttt gttaaatttc atatntgtgt 420

tatttaaata ttttttggtt aaaatatgtc taaa 454

<210> 2901
<211> 194
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2901

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ctccattctc aacccttttnt cggagcccca tgaatagcgt tctcgttcat gtgtcttcca 120

ccttctagtt tggagccatg cgcagagatt gcttagtgca attcttcatt ctgaaccctt 180

ttttctgaac ccca 194

<210> 2902
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2902

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taatatatcg agacgctcgt aattganaac agaaactctg agcatattcg aacgacaata 120

acttttgact cagatgtccg cttgtgtccc ttagtatatc gagacgctcg taatagaaaa 180

cggaagctct aagaaaaatc aaacgacaat aactnttaac tcggatgttg gatagagccc 240

cgtaatatat cgagacgctc gaaattgaaa acagaagctc tgagcaaatt caaacgacaa 300

taacttttga ttcggatgtc tgattgagtc ccataatatg tcgagacgct cgaaattgaa 360

aacagaagct ctgagcaaaa ttaaacgaca ataacttttt actcgga 407

<210> 2903
<211> 451
<212> DNA
<213> Glycine max

<400> 2903

agcttccatc aagaagatag agattagcta cacatacctc tctaatagct aagctcacct 60

ccttgagatg aaaagctaga tcttagctac acacccccta taatagctaa gctcaccccc 120

atgacaaaaa aacatgaaaa tacaaaaaaa aagtctttac tacaaagact actcaaaatg 180

ccccgaaata caaggctaaa accctatact actagaatgg ccaaaataca tggcccaaac 240

gaaggaaaaa cctattctaa tatatacaaa ggtaagcggg ctcatactta gcccatgggc 300

tcaaaatata ccctaaggct catgagaacc ctagggcctt cccttggatc tttagcccaa 360

tctacttgga gtcttctacc caatgcccct gcgggatagg attacatcat acttgcccca 420

agaaccatct aaagatgtat tgtcggaaga t 451

<210> 2904
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2904

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atccctattn tatgatttaa caaaatttcc tagtgaaggt gtacctttg agggtgcact 120

gattgatgaa tggaaattcg atttctctgt gcatgatgcc cgccggttgg tttgcaccaa 180

ccaagcggat atgaccggaa ggcttcttgc cggttcattg gcttttgaaa gtcgcatcct 240

ccattacctt atagtttgca ttntgcttcc tagatcttca aaccttgcct aggtttctaa 300

agaagatctc attgtcatgt gggcctttca taaaggttta caaatcgatt gggcacatct 360

tggtagatat tgcatgcata aggcatngcg attgaatgcc acattgcctt atnctcatct 420

nagtactctn tttcttcaac acttcaacat ccctcttgat tctgaaccct atgttcaaat 480

ca 482

<210> 2905
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2905

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gataagaaga aaaacacaga aagaaatgat cagtattaat aaagtatttt aaaaaaataa 120

aatatctaaa aatcattact cattaggtat tgccctttaa ctatatattg aaattcaaca 180

ctttnttggt gcttacggtg cacttgttgt gcttattaaa cagaagaatt aagaaagtat 240

ttctttttct aggctcatac ttgctaaaaa aatcaagaaa ttaaaaaata tttaataaga 300

agtatacata tttaataaat taatttaatt taaaacataa aattagttgt tttttatttt 360

ctatttgaat tattgacaag taaactaaca cgtagtagac gatagtcaat gctgtgagga 420

agaagacgtg tgtggacaac ctt 443

<210> 2906
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2906

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tacataatgt cagatcatat tactttgtat gtatgacaaa aatgaaacca agatttttgg 120

acctctcatt tatagttata caaggttgca tacctccatg cttgttccat ccttagctat 180

ctgttgtgat ggagcaaatt caacaatata atcagttaca gatagaagcc actcaatttc 240

ttttctccac ctggcctttc tttctgagga cattggctcc agctttgatt gttctccgaa 300

aacagatgct gcattgaatc aggaaacaaa ttattgaatg gaaatttcat tgagacttga 360

gagatcacat ctcagttagt cacagttata atatgcatgt gctttgaatt gaattgagat 420

gactacacta tctattaatt ntatagaaat ca 452

<210> 2907
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2907

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actatagcat catttctggc gctaaactgc tgggagttgg aaaccatctt ctcaattaaa 120

tttctggctt tagcaagagt catgtctcca agggctccac cactggcagc atctatcata 180

cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctccgaaatc 240

tgatggtgag ggcaactggc acataatttt ataaatctct cccagtattc atataggctc 300

tctccactga gttgtctaat acctgagata tccttcctga tggtcgtggt cctggaagca 360

ggaaattntt tttctaagaa tactccctta aggtcatccc aactgatgat ggaccttgga 420

gcaaggtaat acaaccagtc ttttgccact ccctctaaag aatg 464

<210> 2908
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2908

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aataattatg acctctccag caactagtac aatcccgggt ggaggaatca tcccaacctt 120

agatggtcga atccttcata acagcagcaa caacaacaac aaccttattt tcagaatgct 180

gctgacccaa gcagaccata cgttcctcca ccaatccagc aacaacaaca gcaacagccc 240

agaaacaaca aacagttgag gctcctccgc gaccttccct tgaagaactt gtgaggcaaa 300

tgactatgca aaacatgcag tttcaacaag agaccaaagc tntcattcag agcttaacta 360

attagatgag acaattggct acataattaa atcaacaaca gtcctagaat tctgatagat 420

taccttctca atctgtccag aatcccacaa atgtgagtgt cattacat 468

<210> 2909
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2909

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ctgctatatt attatctata tgaaaactga aggctaaacc tgtggtgtgg tataatccca 180

gatgattgta gggactttca cataatccaa gttttcaaag ttacttgcaa atagttctgc 240

attagcagct tccttggtgt aatcaatctc ctgaaaattg caatacatgt tacattaaca 300

ggattagata aagttgagga tgtgaagaaa acacatgana acatcattct gaaacatgaa 360

caagatccac aaattaaccc ctccaaacct gcaaatttgc ttaagagntc ctttatacat 420

tggctaacct ataatacttg aaaagcaata atgttgttca acgcttagac aacgactgat 480

gacata 486

<210> 2910
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2910

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tcactcccat gacaaaaaac atgaaaataa caaaaaaagt ccttattaca aagacaactc 180

anaatgcccc gaaatacaag gctaaaaccc tatactacta gaatggccaa aatacaaggc 240

ccaaatgaag gaaaaaccta ttctaatatt tacaaagata tgcgggctca tacttagccc 300

atgggctcga aatctaccct aaggctcatg agaaccctag ggccttttct tggatctcta 360

gcccaatcta cttggagact tctagc 386

<210> 2911
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2911

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tgacatatac taactttctt cccaccctaa caacactatc ttgttcacat caatgatatc 120

atcacctggg tctaatctga gaaagcctat tcttccatat tgcgtgaaga atcatatgaa 180

acaagtcata cttaacagga actttgtgcc acangaagtg ctgctgaacc ttctttactc 240

ccaaatgcag tgccaggtac ttctcttctg ggatngagag aagtatgtct ctgagacttg 300

ggacatccct ttcacgaaca aacagggaaa atgcctncca cttcaatacc tcanataaag 360

gaggcacant aatatctgat atgataactg 390

<210> 2912
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2912

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aagctgaacc taagagggag acaagtggag ataactgacc caatgtgtcc gctttgtaat 120

aattccgagg aggatgcagc acacctcttc ttcagctgca gcaaggtcct ccccttgtgg 180

tgggagtcac tttcatgggt taagtcagtg agtgctttcc ccaaagaacc caaataccat 240

tttatgcagc atactatatc gaacgctaca cgatcaaagg atatgagatg gagctgctgg 300

tggatagccc tcacaaggac catatggcaa cacagaaaca agctgttatt tgataatcaa 360

actnttaacg caaccaagct gatggatgaa gcacttcttc ttttatggtc ttggcttaca 420

gcaatggaaa aagaatttga tacacatttc aatcagtggt cctctaatct ggcagatgcc 480

tttatgt 487

<210> 2913
<211> 364
<212> DNA
<213> Glycine max

<400> 2913

acctttgaag ccactggttc tacacccctg tgcgagacga ggtttccaag gtactccacc 60

tgagactgag caaagaagca cttacacaac ttcaaaacaa attgattttc gagcaatacc 120

tgaaatgtgg tctctaaatg acgtagatgt tcctcgattg acccactata aatgagaatg 180

tcatcgaaga aaatgatgat gaatcgttgg aggtaaggtc tgaagagcat gttcatggtg 240

gcctggaatg atgatgatgc attacacaac ccaaatgaca ttactttgaa cttataatgg 300

ccatggtgtg ttcaaaagtc tgttttggga acatctgctg agtggatgcg gatttgatgg 360

tatc 364

<210> 2914
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2914

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ttcatatact aaaagctacc aaatactcct acgtggcatt gctagaaatc gatagccgtc 120

aaccttctac gtgagatgtg cttaccttac cacattaaag ctagtacttt acagtttcta 180

ccatttgttg tctgactctt ctctatatcc tttatattta cttttaatat gggtaattta 240

gtaattctag ttaagataac aaatgatgat aaagaaaaaa attaattaat aaataattca 300

gaatgggaat aaatttacaa aacataaaat atgatgagac aaatattttt taaagcataa 360

tttgtctttg gaaacttcaa tgaatctcan attaattgga atgtaattat atttcgatag 420

tagctgttag aaactctaat ttatataatc gaaat 455

<210> 2915
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2915

tatgctgcan acatttataa tagacctcct cagcaacaaa accaacaaca acagaataat 60

tatgaccttt caagcaatag atacaatcca ggttggagga gtcatccaaa tctgagatgg 120

acaagtcctc caacacaaca acaacaggct gtccctcctt ttcagaatgt tgctggtcta 180

agcaagccat atgttcctcc tccaatacag cagcagtcac cacaaagaca acaagcgact 240

ganggccccc ctcaaccttc cttagaagag ttagtgaggc aaatgaccat ccagaatatg 300

caatttcagc aagagacaag agctttcatt catagtctga caaatcaaat ggggcagatg 360

gctactcaga tgaatcaagc tcagtcccaa aattctgaca aatggccttc acaaactgtg 420

cataatccga aaaatgtaa 439

<210> 2916
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2916

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tttatcggnt aacatggacc gttcaaaagc ataaaatcaa catgtaactc taccactttt 120

gcaagaacta cgtaggtctg atttcctcat cgcaattgag gatacgtagg agcaaaagcc 180

ccgcttttgt cgaccacccc tagagatcgt taatggtcca gtgccttaac gtttctcttc 240

tttcacaacc aagagatcgt taatggtcta acgccttaac gtttctctcc tttcaaaaac 300

caaaagatcg ttaatggtcc aaaggcctta acgtttctct cctttccaaa aatcaaagat 360

cgtttaatgg tccaacgcct tatacaactn tagttcggtc aaaatatatc ttacaaaana 420

ggataaaaat aacttaacca acgtttagtt ctcaaagaac tacgtaagtc tg 472

<210> 2917
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2917

ntntgactcc tgattctntg gaacttgctt aactctggat tctntagcat catcaaaata 60

atcttggaag acattgcttc cacaatagaa agttggacta gctcatctag gtccctatat 120

ggaaggagtt caaccttgtc cctcacttcc atattaagcc cactaagaaa cctagctatg 180

cttgttcttt ccccctccct aagtcctgct cttaaaagga gtagttccat ttgttgtcta 240

tattcttcaa cacttatact cccttgtcta agcctttgga acttgtccat aagctccctt 300

tcatagtagg agggaatgtg cctcttccta agggcactct taagatcatt ccaatactct 360

actggaggat ccncatgaat ccttcgttcc ctaacaaggg aagtccacca atagagggca 420

taccettgaa agctaagggt agctaatagg aactttatct cttcactaat atga 474

<210> 2918
<211> 382
<212> DNA
<213> Glycine max

<400> 2918

tcacatgttt gtcatcatca aaaatgggga gaatgtgaat gtatgtatac atgatgttga 60

tgatgtcaaa agaagaatca aacaaggctc attctgcttc aagattaata caagattgtt 120

tcaacaaaca aagctttgat tcaagatttc ttcaagatca agccttgcct cacaatgaaa 180

ggcttcaggt cattcaaggc acatgtaatc gattaccaat acatgtaatc gattaccaat 240

ggttggaaag tgtgtaatcg attacacatc atatgtaatc gattaccaga gagggatctc 300

aaggaatatc gccaacagtc acatcttatc attcgaatac tgaatgggca tcaaaggcct 360

atatatatgt gtgacttggg ac 382

<210> 2919
<211> 380
<212> DNA
<213> Glycine max

<400> 2919

agcttgtgcc agaatccgca atctacgcca agttgctggg actcgagact caaatagact 60

ctgctttggc taggaagaaa atcgatgtgc aggagaatgt tatgaaccct cgctgtgtta 120

ggaaaacgct tagagtttat gtttacaaca ctttttcgaa tcacgtgaaa gtggagcctg 180

tgaagaatgg tgtggaggag ccttcttggg cgcttatgat aaccggaagg gtgttggaag 240

atggtaagga ttctgtggcg gaagggattt cgacgaagga atatccaaaa ttctcggctg 300

gtttcaagaa gattaccata tacttggatc agggcttgta ccaggataac catgttgttg 360

tgtgggatag tgcccgttct 380

<210> 2920
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2920

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aacgagacgc tcgaaattga atgtttaagc tctgatccaa ttcaaatgac aataaatttt 120

ttctcagatg tctgattgag tccaataata taacgagacg ctcgaaattg aatgttgaag 180

ctctaagcca attcaaacga caataactnt ttactacgat gtctgattga gtcccgtaac 240

atatcgagac gctcgaaatt gaatgttgaa gctctgagac aattgaaacg acaacaactc 300

tttactcgga tctctgatng agtcccgtca catatcaaga cgctcgaaat tgaatgtgga 360

atctctgagc caatttacac gacaatacac ttttacttcg atgt 404

<210> 2921
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2921

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taanaaggta ttgtcgtttg aattggctca cagcttcaac attcaattcc gagggtctcg 120

atatattacg ggactcaatc cgacatccga gaaaaaaatt attgtcgttt gaattggctc 180

agaggttcaa cattcaattt tgagcgtctc gatatgttac gggactcaat cagacatccg 240

agtaaaaagc tattgtcgtt tgaatttgct cacagattca acattcaatt tcgaggcgct 300

cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360

tcagaggttc aacattcaat ctcgagcgtc tcgttatatt acgggactca atc 413

<210> 2922
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2922

tcanattatc atccanaagt atgttgctgg atttaatatc tcgatgcacg atatgtggtt 60

cacactcctt gtgcaaataa gctaatccat gagctgcacc ctgngcaatc ttgagtctta 120

catcccattt tagagctgaa tttccatcct cactctcatg cagccaatag tcaaggcttc 180

cattctccaa gtaggagtaa attaacaatc tgtcattgaa atgctgacaa taacctttaa 240

gtgaaacaag gttcttatgt tgagctcttg agagtgcctc cacttcagct tggaattcac 300

gttccacctg accacagtac cctg 324

<210> 2923
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2923

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tcatcattca ttttggtgtc tttcctctgt gggcatggcg attctgtcct aatttcttgt 120

agaatgcata tagattcata attctacttg aggaaagtta tttattagat aatttaaatg 180

tctttaatct aatattgatt gctcgaatgt tctcttataa agaagttaaa tttttataat 240

gcttaacact taaaaatata gaatgttaat tcccttctaa aaagtgagaa attgaaattt 300

tcttcttgat aaaagagcct gataaaatat ctgcgtatct tctttataac ctccgctctc 360

tc 362

<210> 2924
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2924

acctgtgcca ctctttacat attatggaat tcgactttnt gaataaatat gcattgtctt 60

aaacgtttca taatttgttg atatagatta ttatgctaac tcatttaaaa gatattaaaa 120

aattatataa actaacacat caattattga atttagttta tataacgatt aggatgataa 180

taataatggt cggaaccaac aaaaagataa aataactatt aataagaaat aaaaatgaat 240

atattttact gtttgggtat tgtgtatcta gaatgagcat gatccaataa taaaaaaaaa 300

aaaagtgagc atgacttcga tccgatgaac ttgatttgtc tt 342

<210> 2925
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2925

ngcttcttgc aattccaaga cactagagag cttcttaata ggtggcatgt cgcacttgta 60

ctnttttta tctaatttgc atcctgcaaa atcagaatct gaaaaacctg ttatgcttaa 120

ggagatacct ttgggataca acaaacctac attggttgtg cccttaagat acttaatgat 180

ccttttaaca acaactaagt gagattcctt aggattggac tggtatcttg cacataagta 240

aacgcttagc atgatatcca gtctacttgt agttaagtag agaagtgatc caatcatacc 300

tctatatctt gattcatcca ctgatttacc tttctcatct aaatcaaggt aggttgatgt 360

agccattgga gtatatgctt c 381

<210> 2926
<211> 354
<212> DNA
<213> Glycine max

<400> 2926

gagcttatat atatcgaggc gctcgatatt gaacaatgga agctcttgag atattcaaat 60

ggtcataact attaactcgg atgttcaatt catgcgcatc acatatagag acgcttaata 120

atgaacaacg gatgctctcc agaagttaaa acgcgattaa gtattcacac tgacgtccga 180

ttcaggctta taatataacg cggcgctcga aattgaacag cggaagctct tgagaaattc 240

taaagtcata acgttaactc ggatgtccga tatatgcgca tacatataga gacgctaaga 300

cacgaacaac tgatgctctc aagatattaa aatggccaca agtgctgaca ctga 354

<210> 2927
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2927

ttcatcatta atatacacgt cattcaatat tctacactca tttatccaac ataattgcta 60

tattttaatc aattactgtc aaacacactt tttgacagca acactaaagt gccatggata 120

agacttgagg aagaagagat aatgaaggag aggagagaaa agcacggaat ttgtgctcta 180

agagagctct gaaatctgaa gtttaatttt taaatgatca aagttgaaaa aatgcacaca 240

catggcttct atgtatagcc taagtgtcac acaaaattgg agggaaactt gaatctctat 300

tcacaatttt cttgaatttg aaatcgaatt tgtggagcca aattgtggag gcanaatttc 360

actaattatg attagtgaat ctaactat 388

<210> 2928
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2928

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tgttccccaa atccctgaaa aatgtaaaga tccaggtaca ttcgacatac cttgtattat 120

agggaacaat aagtttgata atgccatgct agatttagga gcttctgtta gtgttatgcc 180

tttgtctatt nttaattntc tatctctagg tccttngcag tcaactaatg tggtaattca 240

tttagctaat agaagagttg cctaccctgc tggtttcata gaggatgtct tagttagagt 300

tggtgaactg attttccttg ttgnattnnt atatttgaat atggaggagg gattntctan 360

aggatcagtt cccatcattc tangcagacc ttttatgana actgctataa ctaagataga 420

tgtatatgca ggcacactat ctatggag 448

<210> 2929
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2929

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agatcaatct tctatccaaa gactatgaaa gcgatgaana tatctctcaa gaagattaag 120

caaaaagcaa aagtctgact tctaccttca aagatctagt cacttgaatt atgaaaaagg 180

taacatcaaa accattctct tttaaatnta gctgattgga atttntcttt caattaactt 240

ggttatatga tgactaacaa aatcttaatt ggttggcttg gatgattgct atgtgcttat 300

atgaatgatt gagttattnt ctttcttaaa gcatgaagtt taatattaaa acaaaccagt 360

gatagtacat atgattcttg catgaatttt ggataatatg tgatcattca tanaagttnt 420

tttaaaaaaa tctattatgg tatatatatt tggattatat aagagtttta aatataaata 480

ctttgactct ttc 493

<210> 2930
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2930

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gttccttgcg ctctccggtt ccatttcctc ttaaaatctc caactcttct tccctgtact 120

taactaatgg acctggtgtt gcacttggaa gatatgtcta caatatatag atttcatgaa 180

ttaatnttct cattcacaaa atgaaaataa ttaaaaaaat gttgtgacaa tatacaattg 240

gaaataaatg agctaagtaa atcttgtaaa cattaggaaa atagtactta gattcaaaac 300

tactagactt accttattgg caaagaaaat gcgatccttt ntgtcgtagt ctttaaagtt 360

gtaaacccat gagttacaaa caaagtgaat ggttccttga tttggaatgt cctcaagagt 420

gacactgaca aggaagaact catcactacg tatagttctg atgt 464

<210> 2931
<211> 413
<212> DNA
<213> Glycine max

<400> 2931

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aaaataatga ccatttgaat ttctcgagag ctttcactgt tcaatttcga gcgtctcgat 120

atattatgcg cctgaatcgg acctccgagt gaaaagtaat gaccatttga attgctccat 180

agctttcatt gttcaatgtc gagcatcttg atatattatg cgcctgaatc ggacctccga 240

gtggaaagtt atgaccattt gaatttctcg agagctttcg ttgctcaatt tcgagcgtct 300

cgatatatta tgcgcgtgaa tcggacctcc gagtgaaaag taatgaccat ttgaattgct 360

caagagcttc cgatgttcaa tttcgagcgt ctcgatatat tatgcgcctg atc 413

<210> 2932
<211> 312

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2932

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cgaggagatn tattgagaat ctttgatctg caattcgtca aggtgattgc tcaattactg 120

attatttcac acacctttga agatttcggg agttgagtct aagacttcac agagaaaaag 180

actgtgtgat caagagaatc acgagtgacc atggcagaga gtttgaaaac agcaagttta 240

ctgaatactg cacatctgaa ggcatcactc atgagttctc tgcagccatt acaccacagc 300

anaatggcat ag 312

<210> 2933
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2933

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tatgctctgc gggcttgtgg gaacctttt atgcttaaag aaggaagatc atttcattct 120

tacatgatta aaaatccttt ggaagatgac tgtagattgg gcgtagaaaa tgctcttctt 180

gaaatgtatg ttagatgtag agctattgat gatgcaaaat taattntaga aaggatgccg 240

atacaaaatg agttttcctg gactactatc atatctggat atggtgaatc anggcacttc 300

gtagaagcac tggggatctt ccgtgatatg cttcgatatt caaaacccag tcagttcaca 360

ttaattagt 369

<210> 2934
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2934

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tgtaacaaat cttctacact tggagtgatc acatgcagtc ctcttgaacc cttaccaccc 120

actctgtcat catgccgaga ctcangaagg ccaacaggtt tagccttctc taagtattat 180

gaacaaaatt caatggcttt ttctgcaatg tacctctcaa caatagatgc ttctggacga 240

tatagattct ttgtataccc ttttaagatc ttcatgtatc gctcaaccgg gtacatccac 300

cgtagataaa caggaccaca acatttgatt tctctgacca gatgcacaat caagtgaatc 360

atgatgccaa agaaagtagg gggaaaatac atctccaact ggcacagtat aattgcggcc 420

tcantttcca actcatcata catgactgga tcaatgactt tgctacatat agcatg 476

<210> 2935
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2935

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atggaaaggg ttaccactac tggaaaaccc gtatgcaaat atctattgag gcaattgact 120

taaacatatg ggaatccata aaaatagggc cttatatacc caccacagtt gaaagaacca 180

cacttgatga aagcacaact agtggaagca caacaatata aaaacctaga gatagatggt 240

ctaaaaagga tggaagacga gtacgatata atttaaaagc caaatacata attacatcta 300

ccctaggaat ggatgaatat ttcanggttt caaattgtat gagtgctaaa gaaatgtggg 360

acactctaca agtcacacat gat 383

<210> 2936
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2936

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cagacatctg agttgaatgt tatgtccatt tgaatttctc gagagctctc gatgatcaat 120

ttccagcgtc tcgatatatt atgcgccaga atcggaccta caagggaaac gttatgacca 180

tttgaattgc tcaagagctt tcattgttca atatccagcg tcttgatata atatgcgcct 240

gaattggact ctcggtgaaa agctatgacc atttgaatgg tcaagagctt ncattgtcaa 300

ttttgagacg ttcgatatat catgcgcctg at 332

<210> 2937
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2937

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atctaaattg tacatgtcaa cagtttttca ccccaaaatt tagtgtagca tgcctttcaa 120

ttactgcaaa taattacttc accaattcaa gttcgtccta cctttccaaa tcaataaata 180

ctaaaagtgt tattgttagt tataggcaaa tagaaattga tacatactga gtccattaac 240

tttgattaat accaaaaggc aaaacataac atgtctttaa tagtaataaa agggttacct 300

tcacatcgtt gagaaagata aatttacatc cattcagatg ggctcagact gctatatcca 360

tgtcttctac aattatcctc tcaagccaat caccagattc ttcaagtgct tttat 415

<210> 2938
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2938

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ctatatagga agagcacatg gctttggaag aggcaacaaa tgaagggatt tgactgaagg 120

gtccgattag aaatctttga ttttcacaag aaaaggttgt cattttctac aacagtctaa 180

gtgcaatcta tttagccaag gatcaattcc atcatgaaag gactaaacac attaacatca 240

aatacaactt attcgtacta agaataaggt caaagtccag aaagttaata cgagggagaa 300

tacaactgat atgttcatga agcatgttcc aagaagtaag tttatgcact gcctggatgt 360

acttaatgta gatcgctaga gatgaacaaa gttacttgta attcanaaat gta 413

<210> 2939
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2939

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atagacctcc aatctttaat ggagagggtt accactactg gaaaacccga atgcaaattn 120

ttattgaagc aatagactta agtatttggg aagccacata aatagggcca tatataccta 180

ccatagtaga aagaattaca atagatggta gcacatcaag tgaaagcata acaatagaaa 240

aatctagaca tagatggtct gaagaggata gaagatgagt tcaatacaat ctaaaagcca 300

aaaacataat aacatctgcc ctgggaatgg atgaatattt cagggtttca aattgtaaga 360

gtgctaagga aatgtgggac actctacaat taacacatga agggaactac agatgtaaaa 420

gatctangga taacacacta acccatgagt atgaact 457

<210> 2940
<211> 323
<212> DNA
<213> Glycine max

<400> 2940

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aagttattgc ggtatgcatt tgctacgagc gtccattttc aatttcgagc gtctcgatat 120

attactggac tcaatcggac attcaagcaa aaagttattg tcatttgaat ttgataggag 180

cttccgtttt caatttggag cgtctcatta tattacggga ctctgttgga cattcgagta 240

aaaagttatt gtcctttgaa ttggctactt gcttatgttt tcaatttgga gcgtctcgat 300

atgttacggg actcattcgg aca 323

<210> 2941
<211> 219
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2941

agcttganat gaataatgga agctctcgag aaatatatat ggtcattact tttcactcgg 60

attggcgatt caggtgcata acatatcgag acgctcaaaa ttgaaccacc gaagctcttg 120

agaaattcaa atggtcataa gttttcacat ggatatccga ttctgtgtta taatatatcg 180

agaccgtcga aattggacca cgacttcgga aatccaatg 219

<210> 2942
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2942

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agaatcgtga gttcaataat gagatttcaa gaactttcag gtagaagaaa agatgaaggt 120

tataaagaat atacgcaaac attctgaaag tgttttctat ccataagaaa atttcaattt 180

ttcacatttt agaaggaaat taaaattcca cgtttttagt tctttaaaaa tttaatttaa 240

aattccaaca tttaaatctt tcataaaaaa catctaaata atgaatttta gattaaaaaa 300

atctaaattc tctgataaat tactttttc atttaaaatt ttctatccaa acgcactcta 360

atttcttnga ataagtttct nttcattgta gaaaggacag ccttaatttg tttgtccacc 420

aatcttaatc aacttgataa aggagttatg atatattagt gcatgtaata ttaagagata 480

atgctcatta tctgtacaag 500

<210> 2943
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2943

agcttactca agggattgtc tgganactgg cggatagaag agatggctgc ctttccttct 60

gcagtcttag actcggngaa atacttcttc ataaaatttt ctaccacccc gtcccaagtc 120

ttaagactgt tgtctttaaa tgaatgtaac catcttttg cttctccgga cagtgaaaat 180

gagaacaaac tcagccacac aacatcttct ggcacacctg caagcttgat tgtattgcaa 240

atttcaatgt aagtcgctag gtgtgcgtac ggatcttcat tcggtaggcc atgaaataaa 300

ttgccttgta ttaaatgaat tanagaatgg ngataagtaa tattatgtgc ttgaacctct 360

ggccgcgcta tactagtgaa aaattgtggc acaacagaac tagagtagtc ttcaaaggtc 420

actcttctag gttgatcttc agccattatg tnggcctcaa gtgccctggt gtagattccc 480

ttatctatgg aaagat 496

<210> 2944
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2944

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caacagtcac atcttttcgt ttggttcttg aatgaccatc aaaggcctat atatatgtga 120

cttgagacan cgaattgtta agagtttttc agaacaacaa gtgtttattc tctcaaaaag 180

caaaatcgtt ntatcctctt aagaattcct tggccaattc aattgcaatt cattaaggaa 240

tcatttgagt gctcagatgg taaaatctat ctctttcaag agagattcat tcttcttctc 300

tttctgattc actaagggat taagagaccg agggtctctt gttgtaaaag aattctaaac 360

ac 362

<210> 2945
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2945

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ttactatttc catgcatgtg gaagcttctn tgtcttgtta tagtagcagg caaggcaatg 120

atacaaatct tctagaattt catatttttа ttattaatta agacttgatc aatcttacat 180

taattgaatt taccgtggtg atcatgtgcg tgtatttggt agatctagct agtgaatgtt 240

tataccaaac tgaatgatca aagtgtttaa gtaatatcca atagattagt tttatcttta 300

atatagtcat ccctagactn tattctatca tttgtcttaa attgatatat taatgatcag 360

tggaatatcg attaacacan aagcatctat ttattgaccc agatcaaatg ctttaggtga 420

ctntgggaat tgctaattaa cctanggttg gaatttcata ggaataaggt tgnngaaaaa 480

tcggtactat ggagtcataa tcctcgatct ct 512

<210> 2946

<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2946

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tggcatcatt tctggcacta aactgctggg agttggaggc catcttctca attaaatttc 120

tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240

ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300

cactgagttg tctaatacct gagatatcct tcctgatggc tgtggtcctg gatgcaggga 360

aaatnttttc taagaatact ctcttaaggt catcccagct cgtga 405

<210> 2947
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2947

actaagctta cacatttagc ttcagcaatc aatcattntc tactgcactn tatctaaatt 60

tcccacactt cacaatccac atacaccatt catgacgaaa gtccaatgtc aaccaactga 120

gctgaactaa acccccttcat taaaaaattg aaagaaaatt tatatcttgt ctcaaaaatt 180

aaggaaatgt ttggtttggt tgttttctat agaaaatgat aatgaaatgt gtttggttgg 240

atttttaaaa acataggaaa taaccagaaa ataaaaacaa taaaatatta tttacagtgt 300

tttcagttga aaaaacagaa atctcattct ggataaaatg aaattgtgat gacaatcaat 360

ataatttcaa gcaaatctaa aaatataaaa agacaagaag tcaatatatc atacacnttt 420

taatatttta tttcataaan acagaaaacg agaagtcaaa tcanacatat tttcagaatt 480

ataatct 487

<210> 2948
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2948

caatgccaaa natcattaat atatatgata tatattntat agaattgtga gatntatcaa 60

ttttcaatac aaagtaatgt aatatacatt ttacataaat gacatcttta gctctccact 120

taatgttttt ccaaaagcgt agttcattta ttattatagg taattcttta taaacactgt 180

ctacactagt taaatataaa tatctatttg tagaagaaaa aaaatataaa tctcaaagag 240

agagacaaga agataagaaa gaatataaaa taagatgatt gatgtgtgat ggaaaaaaat 300

aatgaatttt tttatgaata atataattca ataacatata catgtgtttc ccctgtgaaa 360

atagatatat tcccgtaaat ccttaggtgt tagcatgatg tatttnntat gaacactaat 420

tgtttttgng atgattacag atatgncaaa ctgatctgga atttaagctt aacatgatga 480

gtgat 485

<210> 2949
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2949

acttcaatct aagcttaaca ttcaatgtcg agggtctcga tatattacgg gactcaatct 60

gacatccttt anaaaagtta tngncatttg tatttgctga gagcatcaac attcaatttc 120

gagcgtgtcg atatattacg ggactcaatc ggacatccga gtaaaaagtt attgtcgttt 180

gaatatgctc agagcattgg gattcaattt tgagcgtctc aatatattac aggagtcaat 240

cagacatccg agtaaaaagt tattgtcgtt tgaatttgct cagagcttcc ggattcaatc 300

tcaagcgtgt cgatatatta caggactcaa tcagacatcc gagttaaa 348

<210> 2950
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2950

agctngagat atcctggctt tgccacaatc catatgagtt gatcacttct tgatgtagct 60

ccatgtggag cttgtaggcc ttggatcttc ttcatcaatg gattcctttg attcttgaat 120

atcaatgtta gcggaatgga gaaggaagaa agatgattgg agatgccaca tcaaggataa 180

gatgagtcag tcaagaagaa gctcaccacc atatgaagcc atagattaga gcttggaggt 240

aggagaagat gagtggaggg agagaaggag aagaagcacg aaattttgtg cctcanatga 300

ggtctgaact ttgaagtgta attctcaaat gatcaaagtt gaaaaaatgc acacacatgg 360

cctctattta tagcctaact atcacacaaa attggagggg aaattgaatt tctattca 418

<210> 2951
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2951

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agatctgaag tccagatact ctcgaggaga tttattgaga atctttgatc tgcaattcgt 120

caaggtgatt gctcaattac tgattatttc acaaagttaa gaataatttg ggatgaactt 180

gaaaattata gacctaatgc tacttccaca tgtgtaaata aatgtacatg tgatgctctc 240

ctatgtgtta tagaaagaaa aacacaagat catattatgc aatntttgag aggattaaat 300

gatcaattca ttaatgttag gtctcacaat ttaatgatgg atccactgcg tataatttac 360

acaaactttt cctacatcgt gcaacaagaa agacatnata tggggatgaa tcatattgga 420

acattagaat cctaggatat catgnataat gcagcaagtt ctacatctaa tcatagatgt 480

tctt 484

<210> 2952
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2952

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aagttattgt cgtgtgattg ttctaagagc ttccctttc aattacgagc gtctcgatat 120

attacgggac acaatcggac acccgagtta aaagctattg tcgtttgaat ttgctcagag 180

cttctatttt caattacgag cgtctcgata tattacggga ctcaatcgga catccgagta 240

aaaagttatt gtcgtttgaa tttgctcaga gcttctgttt tcaatttcga gcgtctcgat 300

atactacggg acacaatcgg acatccgagc taaaagttat tggccgttga atttgctcag 360

agcttctatt ttcaattacg agcgtttcga ttactacggg actc 404

<210> 2953
<211> 221
<212> DNA
<213> Glycine max

<400> 2953

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atggacttga tggggcctat gcaagttgaa agccgtggag gaaagaggta tgcctatggt 120

ggtgtggatg atttcttcag atttacctgg gtcaacttta tcagagagaa atcagaaacc 180

tttgaagtat tcaaagagtt gagtctaaga cttcaaagag a 221

<210> 2954
<211> 246
<212> DNA
<213> Glycine max

<400> 2954

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tctcgagaaa ttcgaatggt cataactttt cacacggatg tccgattcgg gcgcataata 120

tgtcgagacg ctcgcagatt aacaacggaa gctctcgaga aattccaatg gtcctaactt 180

ttcactcgga ggaccgattc aggcgcataa tatattgaga cgctcgaaat tgaacaacgg 240

aagctc 246

<210> 2955
<211> 197
<212> DNA
<213> Glycine max

<400> 2955

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attgctctag agattccatt gttcaatatc gagcgtctcg atatattatg aatgtgaatc 120

ggacctccgc gttaaaagct atgaccattt gaatttctcg agagctgtcg atgttcaatg 180

tacagcgttt ctatata 197

<210> 2956
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2956

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atgttatagc cgntggaatt tgctacgagc ttccgntttc aatcttgagc atctagatat 120

attttgggac acaaccggac atccgagtat taagacattg tcgtttgaat ttgctcagag 180

cttcgattct aaattttgag cgtctcgata tattacggga ctctatcgga catccgagat 240

aaagttattg tcgtttgaat tttctgcaag cttccgtttt caatttggag cgtctcgata 300

tatnacagga ctcaaccgga catctgtgta tatagtaatt gtcgtctcaa tttgctcaga 360

gcttctagtc tcaagtttga gcgtctcgat atattaccag acttatatat acatcc 416

<210> 2957
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2957

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tataaagtta ttgtcatttc aatttgctca gagcttctag tctcaatttt gagcgtctcg 120

atatattacc cgattcaatc ggacatccgt gtataaagtt attgtcaatt caattccatt 180

agaggttcag gacctaattt tgagcggcta gatataccta ccgacttaac ctgacttacg 240

tgtatcatag ttggcgtatt cgaatttgct ccgagcttc 279

<210> 2958
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2958

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atgtacatag attgtagacc catcaacaac atcattatga ggtatagaca tcctatccct 120

agactaatga tatgttggat gaacttcatg gttcttgtgt cttctccaac atagatttga 180

aaagtgatta ccatcaaatt acaatgagag aaggtgatga atggaaattt gtttctaaac 240

taaagttgga cttatgaatg gttggtcatg cctt 274

<210> 2959
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2959

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ttctataaat agacctccca tctttaatgg agtgagttac cactactgga aaacccgcat 120

gcaaatcttt atagaggcaa tagatctaaa tatctgggaa gccatagaac aaggacctta 180

tgttgcctct ataatagccg gaagtgcaac aatagaaaaa cctaaagcaa attggactga 240

agaagaaaga agattagtac aatataattt ataggccaaa aatattatga catctgcctt 300

atgtatagat gaatacttta tggtttcaaa ttgtaaaagt gctaaagata tgtgggatac 360

actacaagta acacatgaag gcacaacaga tgtgtaaaga tctacgatat acactctaac 420

gcgtgagtat gaactctcta tgatgaatgt anatgaaagt atacaagaca tgcataagaa 480

gttcacacac a 491

<210> 2960
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2960

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ttgcatcacc tctcaatgag ctagtaaaga agaatgtggc atttacctgt ggtgaaaaac 120

aagagcaagc ctttgctgtg ctcaaagaaa agcttactaa ggcacctgtt ctagctcttc 180

ctgacttttc taaaactttt gagcttgaat gtgatgcctc tggagtggga gatggagctg 240

ttttgttaca acgtgggcac ccaattgctt attttagtga aaaaattcat ggtgccaccc 300

ttaactaccc cacctatgat aaagagatgt atgccttaat aagagcactc cgaactttgg 360

aacattacct tgtttccaag gaatngtcat tcatagtgat catcaatcac ttaagttcat 420

t 421

<210> 2961
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2961

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tgctagatga cacaccatgt aacctaacaa tctgactaat atacagggag gtcaactttt 120

ccaaagatgg ataggcaaat ggtacttatt cttaaccgtc accttattca actagcggta 180

gtctacacac aacctcatgg tcccatcttt cttcttcact aacaacactg gtgctcccca 240

tggagacaca ctgggtctca caaactgctt ctctaactgg ttcttaagct cggctaactc 300

tataagatac atcctataag gggctatgga tacaggtcca accncaggta ctaagtcttt 360

ggaaaactct atctctctct cgggtggcag accagatata tcctcaggaa actctntgac 420

aacagggaga gcacccatgg aaacct 446

<210> 2962
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2962

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ctcttagggt gtccctttt tncacaatta aaacatgtta tgcctatatc gggacaattc 120

gaggagatgt gccctggctt accacacttg taacaaatga tatgagtgga gaacgtattg 180

gggttgctac cggtaccacc tgcaaatccc ctatcaacag tcctctgatt gtcatggcgg 240

ntaccatatt gcttaagagg aatcaaatat gggtttcctc gatgttgaag cccattcttt 300

ttgttcctca ttggacctgt actcttatag taagccgccc tgtctcggga gt 352

<210> 2963
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2963

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atggcgttac tattaatctt attggtagat attttatgta ccaattctgt tcaaatggaa 120

aggagatgta gttttttttgt ttgtaatagt taatatgttg gtttgataga cttggatgat 180

gctacctcaa gtatgaggtt ctttnttgtt ntagattagt ttatatcatc tggtgatttc 240

agnttatatt attaatatat ttgtaggact accaactata ttaacgttag attaaaaatt 300

aagccaaatt atatattaag gccttgttta gcctattata gaaggtgtgt tatttatttt 360

ctggtaaaaa caactatcan aggaatatta aaggtttat 399

<210> 2964
<211> 428
<212> DNA
<213> Glycine max

<400> 2964

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agggagtagt tcatttcata ggccgtgaac tttttactca agtagtagac agcgcgttct 180

ctcttcccgg actcgtcatg ttgccccaac atacatccaa tcgactcatc caaaatcatc 240

atatacaaga tgagaggcct tcctggtacc aacgacataa gcacgagagg gttcatgaga 300

cactgtttga tccttccaaa cgcctcttga caatcctcat tccaacggac ggattggttt 360

tgcgtaagaa gtggaataac ggctcacaat tagcggtgag ttgtgatatg aatctggcaa 420

tataattc 428

<210> 2965
<211> 431
<212> DNA
<213> Glycine max

<400> 2965

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attatcttaa taggggggt tgaattaaga tacacaaact attcccaatt aaaatttaac 120

ccttttttg gattaacact gcacccttaa tatgaattac tgaaaagaca actcaaaatg 180

aacttctttt atgaaaaaga taaattgaaa taaataatag aagtttaagg gaagagagaa 240

tgcatactca gattctatac tagttcggcc acgttctgtg ctaacgttca gtccccaagc 300

aacccgcttg agatttccac tatcttggta aagaactttt acaaactgtg aaccacacag 360

ggacccctc tcttgtgttc agatatgctt acaacttaag agacccttgg tcttctaaac 420

agatctcttt g 431

<210> 2966
<211> 431
<212> DNA
<213> Glycine max

<400> 2966

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tggcatcatt tctggcgcta aactgctgtg agttggaagc catcttctca attaatattc 120

tggcttcagc aagagtcatg tctccaaagg ctccaccact ggcagcatct atcatacttc 180

tctccatatt actgagtcct tcataaaaat attggagaag aagctactcc gaaatctgat 240

ggtggaggca actggcatat agtcttttaa atctctccca gtactcatac aggctctctc 300

cactgagttg tctaatacct gagatatcct tcctgatggc tgtggtcctg gaagcacgga 360

caatttcttt ctaagaatac tctcttaaag tcatctcagc ttgtgatgga ccttggagca 420

aggtaataca g 431

<210> 2967
<211> 402
<212> DNA
<213> Glycine max

<400> 2967

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acaatagcat catttcttgc actgaattgt taggagttgg aagccatctt ctcattcaga 120

ttcctagcct caacaagagt catatcacca agagctccac cactggcagc atcaatcatg 180

ctcctctcca tgttgctaag tccctcatag aaatattgca aaaggagttg ctcagaaatc 240

tggtggtgag gacagcttgc acacaatttc ttgaatcttt cccagtactc atacaagctc 300

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ggaagatatt ctccaagaac accctcttaa gtcatcccaa ct 402

<210> 2968
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2968

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cgcatttgtc taccttcttg gagttgtgta gtaccatggg agcttttggc aaaaatgcta 120

aagttgtcta cctcaaagct ttcccattct ccttggcagg taaagcaaag acatggctcc 180

aatcacatct aaacaaatgc ctcaacgctt gggaagaggt ggtagaaaac atcattgcaa 240

agttctttcc tctatccaga ttcatcaaga tccattgcta ctttntccca aagatctgat 300

gaacctctct gtgaaacatg ggagagattc aagtctttgt tgcagaggtg cctataccat 360

agtnttgatg atgttgcaca actacatat 389

<210> 2969
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2969

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acttaagaaa taagtttaat ggagatatat gtgtcgatag cataaaatta tttagaattg 120

tcaatcaatt acaaatcagt tttgtatgat tttaaagata attattataa aatgataaac 180

gtatcacata taatgagttg gaattggata acgatgtaag aacgttttac tattgtcaat 240

acatgaccta ttttttttaga tgaaatttga ataaacttct tcaaaaacac ttatagaaaa 300

agaaaataag atgatgaaat atataagttt ctatataaga tatttttttg tctagacaac 360

aagtatcttc aattagagac aatcttgttc gagtaagata gaactactat gaacaacaca 420

actcttctct caagtattta gtgtatttgc anacggaaga tttaaactcg agatctctta 480

at 482

<210> 2970
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2970

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caaatattcc attgtgtgcc aaacagcgca tgatccgctg cacaaaacaa gccttatccg 120

ctgcaatctg tagagttgag accaactcac gaagagtaat gggtttgaca tggttgtgta 180

tcatgtctgg aatacctagt tgcacaaccc atttaagaca catagatgtt aggctaccat 240

atagctgcat gtacaaaagg ttntggccct caaagagctc aattgcttct tggttattca 300

ttgaagccat tattgcaagc gatatttaat ntgcttaaac tcgttcgctt ttttccatga 360

ctagca 366

<210> 2971
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2971

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taagatcgtg agatcagata gaggtgggga gtactatggt agatacacag aggatggaca 120

agcaccaggt tcatttgcaa aatttcttca agaacatggg attgttgccc aatacactat 180

gcctggttct ccggatcaga atggtgtggc agaacgaaga aatngaacct tattagacat 240

ggtgagatgc atgaggagta atgtaaagct tcctcaattt tttgtggatt gatgctctta 300

agacggttgc gtatatatta aaccgagttc caaccaaggc tgtctcaaag acacctttna 360

gttattgaag ggttggaaac caagtttgcg atatatancg cgttggggat gcccgtctga 420

agtaagaatt tat 433

<210> 2972
<211> 456
<212> DNA
<213> Glycine max

<400> 2972

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acttcaactt cagacaacta tttgtctaat gtagctcctg ttgtcaataa aaatgttagt 120

gtagcttcga attctgtaat ctcatctcct aacaatgcta gtctttggca tgctaggtta 180

ggtcatccta atagtcatgt catgaagcta gtattcaatc attgtaatat ttcttcatct 240

aataaattct ttcagacttt tgctccttat gctgtatggg aaagtctcag attgtctcat 300

agattgctat ctaacacctc tacttctgtt taatctcctt tggaacttgt ctacacaggt 360

ttgtggagac cttctcattt gacatctatg ttggttttaa atactatgtg ccctttattg 420

atgcattttc tagatacact tggatatttc ctatta 456

<210> 2973
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2973

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ctattntcag attgggaatg cctctaacag caccttttgtc aatgattntc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcatcttct ttggagaata 180

gacatgtgga ggagtaactg gtttcttgag gtgtccatat gtaacagttg tcctttgatc 240

tgctgccctt cattaagact tcactcttct catttgtcac caagcattct gactttgtga 300

agttacattg aatccttcat cacacaactg actgatgctg atcaagttcg cagtcagtcc 360

cttcaccagc agtactttgt tcagactaag aagtccatca tggactatct ntcccattcc 420

agtgatctnt cctttagagc catctccaaa tgtcacat 458

<210> 2974
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2974

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aagaaaggcg aaagaaagga agaaaaccaa aaactttcca caagtaaaac aggcatacaa 120

cactgatcaa taggataatc agataaaaac ttactgaaat tgtgattact ccctctttgc 180

caactttctc catagctttt gcaatcaact caccaatttc tctctctcca ttagcagata 240

tcatcccaac ctatcaattc aaattcaaaa ttcaaaaaca gaaattaaag ttaaaaccca 300

gaatccttat tatcatctcc tgcaatatac aagaagaggc tctagcaaag tatgatcgac 360

aaacctgcgc tatttcttca gatgtgctaa tcatcctagc tcttgctttc aaatntgtga 420

ccacagcatc gacagccata cttatacc 448

<210> 2975
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2975

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actcagtcgg tattaggcct catgagcttt ctcatattta gcatcttact ggatttagct 120

tgggtggctt ccctttttaga tacttgggtg ttccctttt atcatttaga ttaaatgtat 180

gccactatgc tccattgatt ccaagattac tggcctgatt cacggatgga gcacgaagct 240

ctatcttatg caagtaagct agagttgatc agagcagtta ttcaaggaat tgtgaatttt 300

tggatggaga attttccttt gcctcaatct gttctggacc gaatcaatgc ttctgcccgt 360

aatttctgtg gagcaaagcg gatattaggc aaaacaagcc cttggttgct tgatcagtag 420

tttgttc 427

<210> 2976
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2976

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gatgccatat tttgacttca tcttctttgg aggacagaca tgtggaggag taactggttt 120

cttgaggtgt ccataggtaa cagttgtcct ttgatctgct gcccttcatt agaacttcac 180

tcttctcatt tgtcaccaag cattctgact ttgtgaagtt acattgaatc ttcatcacac 240

aactgactga tgctga 256

<210> 2977
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2977

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tatgtaacaa aaaaatactt cacaaaatat atatatgtat gtttaggtag aaagatacct 120

tggatatgca tgtatgtaac aaaaaaatac ttcacaaaat atacatgtat gtttaggtag 180

caagatacct tggatatgca tgtatatagc aaatatatct cacaaaatat atatatgtat 240

gtttaggtag caagatacct tggacacgca tgtatatagc aaaatacctc acaaaaatat 300

acatatgttt aggtagcana atacctcatg gaaaaagaag gaatgaaaaa agaaaataat 360

aagaataaaa agttgtctag ctaanaaata acatgctcgt gagaatagat 410

<210> 2978
<211> 404
<212> DNA
<213> Glycine max

<400> 2978

agcttcaaca ttcaatatcg agcgttttga tatattacgg gactgaatca gacatccgag 60

tgaaaagtta ctgtagtttg aagttgctca gagctaatgc attcaagtcc gagcgtctcg 120

atatactacg agactcaatc agacatccta gtaaaaagtt attgtcgttt gaattagctc 180

aaagcttctg tattcagctt cgagcctctc gatatattac aggactccat cagacacccg 240

agtaaaaaag ttattgtcgt ttgaattttc tcagagcttc aacattcaat ttcaagcgtt 300

ccgatatttt acaggactca atcggatagc cgagcaaaag atattggtgt tgaattgctc 360

agagcttcgg tattcaattc cgagtgtctc gatatatgac ggga 404

<210> 2979
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2979

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atggtcttga tggggcctat gcaagttgaa agccttggag gaaagaggta tgcttatgtt 120

gttgaggatg atttctccag atttacctga gtcaacttta tcagagaaaa atcagacacc 180

tttgaagtat tcaaggagtt gagcctaaga cttcaaagag aaaaagactg tgccatcaag 240

agaatcagga gtgaccatgg cagagagttt gaaaacagca ggttcactga attctgcact 300

tctgaaggca tcactcatga gttctctgca gccattacac cacaacaaaa tggcatagtt 360

gaaaggaaaa acaggactnt acaagaggct gctagggtca tgcttcatag ccaaagaact 420

tcctataatc tctgggctga agccatgaac acagcatgct acattcacaa cagagtcaca 480

ct 482

<210> 2980
<211> 445
<212> DNA
<213> Glycine max

<400> 2980

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tcatatattt ctcgtcaaga caaataaatt atctatgatt ctgaaatgta tgcagcataa 120

ggttgtgatc taggtgtcca tgaatgacca caaattaatg atctagattg cggttggact 180

ttcacgttag aaaagtcact ttaaattcaa agaaaatatc agcttattat ccttaggact 240

gatttaccaa tctttaggac taatttatta taacagaata gaaaataaga tatttaccta 300

attttataat attatctaat tatagttgca tgataaattt attaatttcg tataattagc 360

tcacaaatcg tcttacagtt gttttaaatt gataataaga tattgtattt taccataaca 420

atatataatc attaaactca attaa 445

<210> 2981
<211> 335

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2981

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gatatcttaa gaaggggggg ggggtgaatt aagatatcac aacttatttc gccaattaca 120

aattctattt atctttctat ttcagctata aattccctta ataatgagtt tcttagatat 180

tgattccaat agaacagatt gaatatgaat ataaaacact aataaataac agagtttaag 240

ggaagagaaa atgaacactc agatttatac tggttcggcc acacccttgt gcctacgtcc 300

aggccccaag ctacccgcta gagaggtcca ctatc 335

<210> 2982
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2982

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gactaagtag tcccgaacaa gactcgcctc acagtgatca gaaatgatat ggaggagctg 120

attcctactc tggtgcagaa tagttggaca gtctgcattg actataggag gctgcacctg 180

gttaccaaaa aggaccattg tcccctgcct ttctttgacc agatcgcttg aacgcttggc 240

aggtaaatcc tactactgtt accttgatgg tctctctgga tatatgcaaa ttactatcgc 300

tcctgaggat cagganaaga ccacattca 329

<210> 2983
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2983

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actaccatag tggaatgtca gttgaagaag cagttgatct cgttgataag tgcattatgg 120

agatcagatc caggctcgtt gttgcaccac cgaactttgt tattaaaatt gtggacaagg 180

atggtgcaag agagtacgca tggcgtgaat ctgtccagga tgttcctgtt ccttcagctt 240

gagtaactct gttcctaatt ttcattggac ttatttcttt tcgatttgcc ctgcttttat 300

cttgctacaa ttttttttact ggtcttgtaa tgtctctgaa aatcatggtc tatagatgct 360

ctaaaggaag acagtttatc atttgaatta aatatgcacg atggctagtt ctattcataa 420

atgaatgtat gacattgtgt gaagtacgct tgactt 456

<210> 2984
<211> 212
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2984

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acatgtggat gggctaatac cangaatgtc tgctagggtc cagcctatag ccttcttatg 120

cttcttgaga actgataaca acttctcctc ttgctcatca gcaagggagg caaatataat 180

tactggaaaa cttttgctat catccaagta ag 212

<210> 2985
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2985

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tacttatgac ctttcaagca acagatacaa tccaggttgg aggaatcatc caaatctgag 120

atggacaagc cctccacaac aataacagca tgtccctcct tttcagaatg ttgctggtcc 180

aagcaagcca tatgttcctc ctccaatgca gcaacaacaa caacaacaac aacaacagtc 240

acaacaaaga caacaagcaa ctgaggctcc tcctcaacct tccttagaag agttagtgag 300

gcaaatgacc atccagaata tgcaatttca gcaagagaca agagcctcca ttcagagttt 360

gacaaatcag atggggctga tggctactca gatgaaccaa gctcagtcct aaaattctaa 420

caaatttcct tcacaaactg tgcgg 445

<210> 2986

<211> 455
<212> DNA
<213> Glycine max

<400> 2986

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acttctgttc aaaatattaa aataacttta cttgaaattt tgaacctctg cacttgtttt 120

taattagcta attccaatct tctggagata tgtattttgg tttgtttata tttttcttta 180

agatgagctt catgtaaatg ataaacctta ttcttgtatt gagattcaat ttgctctatt 240

acacattgtt tgacctaatc agataaacta aaaccatcct tatgtcatac gttttcatgg 300

aaaagtaaaa atttattact atgaacatac attgtaaaaa aaaattggca aacataagta 360

atattcaaat atataaataa atgagatata attcacctaa ttatatagta accttcatat 420

gtcgccacat ttgatgtaca tcatgctgac taatt 455

<210> 2987
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2987

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taaaaagtta ttgtcgtttg aattggctca gagcttcaac attcaatttc gagggtctcg 120

atatatgacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180

agagcttcaa cattcaattt cgagggtctc gatatattgc gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgaattggct cagagcttca acattcaatt tcgagcgtct 300

cggtatatga cgggactcaa tcagacatcc gagtaaaacg ttattgtcgt ttgaattggc 360

tcagagcttc aacattcata ttcgagcgtc tcgatatatt acgggactca atcagacatc 420

cgagtaaaaa gt 432

<210> 2988
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2988

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agggctgggg caagtaaatt ttcttcccat cagaccttgg atgcaactgt gatcgtatac 120

ccatatcagc tagatcttga agggtattca agccatcctt cgtcttgcct tgaatgttaa 180

nggagcgtcc aatgacacta tcacnagaca ttttntccac atgcataaca tcaatacaat 240

gtctaacgtc aagatcacac cagtac 266

<210> 2989
<211> 434
<212> DNA
<213> Glycine max

<400> 2989

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tacttatgac ctttctagca acagatacaa tccaggttgg aggaatcatc caaatctgag 120

atggacaagc cctccacaac aataacagca tgtccctcct tttcagaatg ttgctggtcc 180

aagcaagcca tatgttcctc ctccaatgca gcatcaacaa caacgacaac gacgacagtc 240

acaacaaaga caacaagcaa ctgaggctcc tcctcaacct tccttagaag agttagtgag 300

gcaaatgacc atccagaata tgcaatttca tcaagagaca agagcctcca ttcagagttt 360

gacaaatcag atggggctga tggctactca gatgaaccaa gctcagtcct agaattctaa 420

caaatttcct tcac 434

<210> 2990
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2990

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cttttcttct ctccagcctg tgatccatca tcagacaaat cttcctcagc attagcttct 120

tctccaagct caatccctga aaatgacata gatctcttgc ctagaaagga tgctcctcct 180

gcatcaacat ttgaaacatt ggtattaggc cacataacat aatattgcac tattggttgg 240

tgtttttgtg tctaaaagag agtaccatgg tactcttgag gtgcacatga agttataatt 300

gagttgagtg aaggtggagg ttgatggtca tcttggtgag gtgtttgtag catgaaatnt 360

gctgggaaga aagccatatc attgctagtc tatgcttgcc tctgatcttc aattgctgaa 420

tgatattctg atcaccatgt gnatgctgat gctc 454

<210> 2991
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2991

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atcattacct tttccctgtt tatcatgtga tgaagagact ggagcattcc aattgttttt 120

tgttccccag ccagatgacc cactcccatc cttagttggt tggcttttcc acccaacatc 180

ctgattagca tcaatatctg aagtaccatc agggtttcca acttctttga ctccactttt 240

aaaaccattg ccaccacccc atccaattga tgacgtttga tttgactttn tgacactgtt 300

ccaaccagaa gactcctctt cagaagcctt ggttgtattc caattgcttt tgctgtccct 360

tgctgaggat tgatttccat tcaaattgtt aggtttgtca ttccaattgc tattctgatt 420

gccatcaccc atgcttccag ttntatgct 449

<210> 2992
<211> 316
<212> DNA
<213> Glycine max

<400> 2992

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caaaacgtta ttgtcgtttg gattagttca gagcttcaga attcaatttc gatcgtctcg 120

atatattacg ggtctcaatc agacatctga ggataaaagt tattggcgtt tgaatttgct 180

gagagcttca acattcaatt ttgagcgtgt cgatgtatta cgggacttaa tcagacattc 240

gagatataag ctattgctgc ttgaatttgc tgagagcttc aacattcatt tcgagtcgtc 300

ctttatttta cgggac 316

<210> 2993

<211> 396
<212> DNA
<213> Glycine max

<400> 2993

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aaagactgat tcatgcgcat aatatatcga gacgctcgaa attgaacaac ggaagctctc 120

cagaaattca aatggtcata acttttcaaa tggaagtccg attcatgcgc ataatatatc 180

gcgaagcttg aaattgagca acagaagctc tcgagaaatt cgaacggtca taacttatca 240

cactgaagtc cgattgaagc gcataatata tcgagaggct cgaaattgaa caacggaagc 300

tctcgagaaa ttcaaatggt cataacttgt caaacggaag tccgattctg gcgcatacta 360

tatcgagaag cttgaaatgg aacaacagaa gctctc 396

<210> 2994
<211> 449
<212> DNA
<213> Glycine max

<400> 2994

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gattgtcaca acaatgtgtt caaatttggg atctaacaag cgtagtatat tctccataat 120

ttttacatct tctaacttct caccatttct ttttagttga tttgaaacaa cgagaattct 180

tgagaaataa ttgaaaatgg actctaactc tttcatatgt aaggattcaa actcacctag 240

taaagtttgg agacacacct tctttactct gtcttctcct ttgtgggagg attgaagctt 300

atcccatgcc tccttagcag atgttgcatt agaaatcttc tcgaacacat catcatctaa 360

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ttttgtgcct cggatagtga agtctcatc 449

<210> 2995
<211> 341
<212> DNA
<213> Glycine max

<400> 2995

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tccaacttga tggggcttca gatccaaggg aaagccctag ggatctcatg agccttaagg 120

tagatatcca gcccatgggc taatgatgag cccgcttatc tttgtaaata ttacaatacg 180

tgctttcttc agctgggcct tgtattgctg agcactctag aactatatgg ctttagcctt 240

gtatttcggc gcattcttag tagtcattgg agtaaagact tttttctgta ttttcatgtc 300

ttttgccatg ggggtgagct tagctaatat tgtgggtgtg t 341

<210> 2996
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2996

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ctgagcaaat tcaaacgaca ataactctnt actcggatgt cagattgagt cccgtaatat 120

atcgagacgc tcgaaatgga ataccgaagc tctgaacaaa ttcaaacgac aataacattt 180

tactcggatg tctgattgag tcccgaatat atcgagacgc tcgaaattga ataccgaagc 240

tctgagcaaa ttcaaacgac gaatcacttt tactcggatg tctgattgag tcccgtaata 300

tatcgagacg ctc 313

<210> 2997
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2997

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taaaaagtta ttgtagattg aatttgctca tggcttcggt attccatttc gagcgtctcg 120

atatattacg ggactcaatc ggacatccga gtaaaaagtt attgttgttt gaatttgctc 180

agagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgaatttgct canggcttcg gtattccatt tcgagcgtct 300

cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattggtcg ttgaatttgc 360

tcagagcttc tacattcaat ttcgagcgtt tcgatatatt acgggactca atcagacatc 420

cgagta 426

<210> 2998
<211> 451
<212> DNA
<213> Glycine max

<400> 2998

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tccaactgtg taggagcaat tgactgctag agatgaattt ttgagacaat tgcaggataa 120

tttgatgaag gcttatacat atatgaagaa tcaggctgat aagaaaagtc aagatgtcaa 180

tctacaggtg ggagacttgg ttctagttaa actactacca tacaaacaac attcagctgc 240

tcttagaaag aatcataagt tgggaatgca cttctttggc ccctttaaaa ttctggccag 300

agtaagagca gtggcctaca agttagagtt acctgcagaa gctagaatac ataatgtctt 360

ccatgtctct cagctgaagt tgtttaaagg aacaccagga gaacagtact tgcctttacc 420

tttaactaca acagaaagtg gaccaattat t 451

<210> 2999
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2999

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tatccatata ttataagaac aactaatcaa cctttgggtg atccataaat gtcttataat 120

aatgaacttc aattaaccca taaaccaata atctataatt tagcatccat tctatgggta 180

attgaaataa aattgtcact aatttggaat taaacaaaac atacagattt gaccactgtg 240

gtgatcacaa atctatcata tatttaatcc aaattacttt atccaatttt aaattgaaat 300

tgacgtaagg gagagatatt gaatttcaat tcaagacatt caaaaattgg attcaaggca 360

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tccaattgga atcagattca tacaatgtat gg 452

<210> 3000
<211> 369

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3000

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actntaaccc ggtattcaaa tgctggattn tccagcattc ttactttctc atggatgagt 120

cctttagtaa ctctaaggaa tgagaagact ttagagcgtg aggatctccc acatcttgct 180

actaatgaca gtgtggatgg gattttgcaa ctcttcaaac aaacttgagt cagagtgtgg 240

tagtgtgata acaaccctac ganaatatga nggtactgca cagatgaaca acactatgct 300

agtgtgataa caacccttct tacnactatc aatcaaccct gcttctagtg tatggttgtg 360

ataacacta 369

<210> 3001
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3001

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tttcctcttc cccatgtcta ccacacggct tactgtagac ataaaaggtc ttccaagaat 120

tatgggaatg ccaacatctt cttcaatgtc tatcactaca aaaccagctg gaaatatcaa 180

atgtttgacc ctaaccaaaa tgtctataat cactccatag ggtcttgtga tggagcgatc 240

agccaactgt aaggtcatac gagtgggcat tatctctaac tctccaagtc accgacacat 300

ggagagtggc attaaattga tactggctcc caagtcaatg agagtcttgc ctactgtaac 360

ctcaccaata gaacatggta ttgtgacact acctggatct ttatgcttca atggaaggat 420

acattgtatg aatgcactgc 440

<210> 3002
<211> 127
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3002

tctatcaact ggagcatatg tttnctcata atntatactc tcttcttgat tatatcactt 60

ggctactaat cttgccttat ttctaataac tatgccattn tcatctaatc tgtttctaaa 120

cacccat 127

<210> 3003
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3003

agcttccgtt ntcaatttgg agcatctatc gattaattgc gacactctgt cgggcatccg 60

agtaaaaagt tattgttgtt tgaattttct aagagtttcc gttttgtatt tgaagcgtct 120

cgatatatta cgggactcaa ccggacatcc gtgtataaag ttattgtcat tacaatttgt 180

tcagagcttg tagtctcaat tttgagcgtc tcgatatatt acccgattta atcggacatc 240

cgagtaaaaa gatactgtcg tttgaatttg atacctgctt ctgttttcaa tttggagcat 300

ctcgatatat tacgagactc tctcgaacat ccgagtaaaa agttatcatc gattgaatnt 360

gctacgacct tccgttttca attcggagcg tctcgatata ttacgggact caaccggaca 420

ttcgtgtata aagttattgt cat 443

<210> 3004
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3004

agctttaaag aatgatttca tctattatga ggctttgtcc actcttttgg gatcctccta 60

gggttgaaac aaagtagcac ctatctatag aagtaggccc aagatttaat tactggagaa 120

ccaaaatcca ataaatatat aaacattaaa agtcatataa attagttatg cgtttttaaa 180

atgatctaag aacatataat agaaaatcca tatacataga agatattaaa catttttta 240

aaaacccaaa gttataaatg acaatcctca atttcatgtc accaagaatg ttcatgaatt 300

tataaaaaaa ttgctatata tgttttcttt tttacgagaa atcctattag ttatatttga 360

aaaatcaact tatatattnt gaacagatta tgttactaaa taatgtttat 410

<210> 3005
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3005

agcttgttgc actagcataa acaaggagtt gagcaactgc ttctggtctt gggtgtcatg 60

gcaatccttt ggcatgaaaa attctaaaac aaaatcagcg gaggcactcc ggagtggaat 120

gcccagagca gcatgcaagc caaacatgtt agcatgatgt gccagaggat actccgcctt 180

gctgaaggaa gtaatgtcat ttgcaaaaca aggtttggtg gttgtgaaag ctgtcccaac 240

tactccttgc ccccccaaaa ggtggcactc agagcacgct tccaggaaac ccattagctc 300

tacatccgcc acaaaactag cagcatacac agtcgacaca taattcatct catcgtttga 360

atgcccacat ccactctntc ctgcttgttg gatgcaggga gcccatgtca gagctaaagg 420

caagttatgc gccttgcata cacacgtcaa aacttgt 457

<210> 3006
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3006

agcttcttac atagtccgcc tttgcttgac cttctttatg cttaanaaca gaaacattag 60

gcataggcaa aagatcaaga ggagttagtg gattaaaacc ataaacaact tcaaaaggag 120

aacaattagt ggtgctatga acagctctat tgtaagcaaa ttcaacatgg ggtaaacaag 180

cttcccaagt ttttaagttc ttcctcaaaa ctgtcctaag caaagttccc aaagtcctat 240

taacaacttc cgtttgccca tcggtttgtg ggtgacaagt ggttgaaaat aacaatttag 300

tgcccaactt gctccacana gtcctccaaa atttttttag gaacttagag tccctatcac 360

taacaatgct ccttggcaga ccatggagtc tcacaatctc cttgaaaaac aaatcagcca 420

catgggaagc atcatcaact ntnttacat 449

<210> 3007
<211> 427
<212> DNA

<213> Glycine max

<400> 3007

atacttaagt cacctgctgc atcaagcttc tacatgctga atgacctttt atactgatat 60

ggcaaatctc aaggccacat gagttattct tgagggactc acttgccatc agaagaagaa 120

atcctttaag gatgctaatc attatgtgtg ggatgatcct cactggttca agattggagc 180

aaataacttg atcagatggt gtgtcattga agtggaagcc aagagcattc tttggcattg 240

tgacaattca ccttatgggg gccattttaa tggagaaaga actactgcca ttgtctctaa 300

caagtatttt tctggcccat aatactcata gatgcacatt tgtgtgtgaa acaacatgag 360

taataccaaa gaacaagagg aatctcatga acgaatgaga tgcccctgaa caacattatt 420

gaagttg 427

<210> 3008
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3008

gccttcgctg accttctnta tgcttaatta cagaaacatt aggcataggc aaaagatcaa 60

gaggagttag tgggttaaaa ccataaacaa cttcaaaagg agaacaatta gtggtgctat 120

gaacagctct attgtaagca aattcaacat ggggtaaaca agcttcccaa gtttttaagt 180

tcttcctcaa aactgtccta agcaaagttc ccaaagtcct attaacaact tccgtttgcc 240

catcggtttg tgggtgacaa gtggttgaaa ataacaatnt agtgcccaac tngctccaca 300

aagtcctcca aaaatggctt aggaacctag agtccctatc actaacaatg c 351

<210> 3009
<211> 371
<212> DNA
<213> Glycine max

<400> 3009

gatctctaag tcatctgagg catgcaagct tctgttatga atttcgagtg tctcgatata 60

ctacaggact taatcggaca ttcgagtaaa aagttattga cattcgaatc cgctcataac 120

attcgttgtc aattacgagc gtctagatat attaaaggga ttcattcgga catccgagta 180

aaaagttatt atctttttat tttgctcaga gcttctggtt tcaatttcga gcatctcgat 240

atattacagg actcaatcgg atatccgagt caaaagttat tggtcgttgg atttgctacg 300

agctctcggt ttcaattacg agcgtcttaa tatgctacgg gacacaatcg gacatccgag 360

aaaaagttat t 371

<210> 3010
<211> 266
<212> DNA
<213> Glycine max

<400> 3010

tgcatatata gctacagacg tcttgtaatt gatacatacg aacatttgtg ggccatttca 60

tacactttca tggaatggtc aacaatattt tatatcattc atagacgatt actccaaata 120

tacatacttg tttcttatat atgaaaagtc acaatatctg gatgtgttta aaacatttaa 180

acttgaagtt gaaaatcaac tcacacaaaa ataaagagtg tcagatttga ccgtggcggt 240

aaatactatg acagatatga caattc 266

<210> 3011
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3011

aagcttattg tatgcgattt accaccacac atgatcacaa aattcatgtt tatctagttt 60

atcaccacct aacagatttt gtttctcaag ttcatgtaat cctctttcac taacatgacc 120

taatctcaaa tgccagagtt ttgttttatc aatcaatgta ttactagcta ccgatgcatg 180

tccaataata gtggaacctt caagaataaa caagccatta cttntattct tgttaccctt 240

agctatgatt aaagatccat ttgaaatctt aagaacacca tttggaattc tagttgcata 300

tcctagatca tcaaacatgt ttatggaaat aagattcctt ttgagctttt gaatgtacct 360

tacatctttc agtagatact ctctggtatc aaaca 395

<210> 3012
<211> 305
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3012

tcacagttca atttgagcgt ctctgtaata ttacgggact caatcagaca tccgagtaaa 60

aattcattgt cgtttggatt ggctcagaga ttcaacattc aatttcgagc gtctcaatat 120

attacgggac tcattcagac atccgagtaa aaagttattg ccgtctgaat tctctcagag 180

cttcaacaat caatttcgag cgtgtcgata tattacggga ctcaatcaga catccgagct 240

aaaagttaat agtcgttgaa ttggattaaa cttncacatt caatttcgag cgtcttgata 300

tatta 305

<210> 3013
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3013

agctttctgt tttctacaag caacttaacc ttttttntat tcttattgcg catatgctat 60

tccttcgtgg attctcaaca tctccgttac cattgtggac gtcgctgttt gggtattcct 120

cacctactat gtcattggat ttgatccaca cgttgggacg caaacaaact actttaaaca 180

tttaggagca tgcgaatgtt gttgcttcta ctaatatgcc tgctacttat gatgtgactt 240

cttgaattat gcgcaggctc ttcaccccgt acctcgtgct attaattgct agccagacgg 300

cttcgggact attcctaagt a 321

<210> 3014
<211> 361
<212> DNA
<213> Glycine max

<400> 3014

ctctctcaat tgcacaaggc cttaatattt gaagagtatt cttgtggaac cttcacccga 60

cgaagacact gacaaaaact tatcttctcc ttcttggaca aagtatggca cgctgggggc 120

aagtgaatta tcttcccatc agaccttgga tgcaactgtg atcttatacc catatcagct 180

agatcttgac gggtattcaa gccatccttc gtcttgcctt gaatgttaag gagcgtccca 240

atcacactgt cacaaacata tttctccaca tgcataacat caatacaatg tctaacgtct 300

agatcacacc agtccggaag atcaaagaaa atggacctct tcttccatat gcaactctga 360

c 361

<210> 3015
<211> 459
<212> DNA
<213> Glycine max

<400> 3015

agcttgaccc ttacgagtca gtttagtcaa aggtatagcc atcttggaga aaccttctat 60

gaatcttcgg taatatcttg ctaaacctag aaaactctta atctcaaaaa cagacttagg 120

actctcccac ttaagaacaa cttctatctt agagggatcc acagctatac ccccttgaga 180

tatcacatgc cctaggaaac taactttctc taaccagaac tcacacttgg actacttagc 240

atagagttgt cggtccttaa gggtatgcaa cacaatcctc aaatgttctt catgttcctc 300

tctagtcttg gagtatacca aaatattcgt tatcaatact accacaaaac tatcaaggta 360

aggatgaaaa actctattca tgtagtccat acagactcct ggagcattag tcacaccaaa 420

gggcatgact agatactcat agtgactgta acgcggtct 459

<210> 3016
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3016

agcttcaaga aaaagatggc ctcagtaaat tccttatttg cggaagggaa ttctatcaat 60

agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120

atcgaggcaa tagatctaaa tatctgggaa gccataaaaa tagggcctta tatacccacc 180

acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaactt anaagccaaa 300

aacataataa catctgccct aggaatggat gaatatttca gggtttcaaa tcgtaagaat 360

gctaaggaaa tgtgggacac ttcttgatta acacatgaac gaacta 406

<210> 3017
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3017

agctttgctg cnacatttat atagacccct catcagcaaa acctacaaca gcagaataat 60

tatgaccttt caagcaacat atacaatcca ggttcgagga atcatccaaa tctaagatgg 120

gcaagtcctc cataacaaca acagcctgtc cctccttttc agaatgctgc tggtccaagc 180

aagccgtatg ttcctcctcc aatacagcag cagtcacaac aaagacaaca agcaattaag 240

gctcctcctc aaccttcctt agaagagtta gtgaggcaaa tgaccatcca gaacatgcaa 300

tttcagcaag agacaagagc ctccattcag agtctaacaa atcagtgggg cagatggcta 360

ctcagttgaa ccaagctcag tcccaagatt ctgacaaatg gccttcacaa act 413

<210> 3018
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3018

tacatgacat ctgaattcat gtacagcana tctccatgca ttcttagttg gaacatgggc 60

gctagagtgg caagggcatc gaccatctga ttttcctctc taggaatgcg atgaaatgat 120

atgtcatcaa agagctccat caatttccta atgtaagcct ggtaaggcac caatttgggg 180

cgtctggtct cccatttacc cttcaactga tgaattacca atgtcgagtc cctgtatacc 240

ttgagtaact tgaccctaaa gtcgactact actcggatcc caagggcaca tgcctcgtac 300

tccgctatgt tgtttgtgca tttgaagccc aac 333

<210> 3019
<211> 406
<212> DNA
<213> Glycine max

<400> 3019

agcttaacat tcaatttcga gcgttccgat atattacagg aatcaatcag acatctgaat 60

aaaaagttgt tgtcgtttga atccgctcag agctttcgta ttccatttcg agcgtctcgg 120

tatattacac gactcaatca gacatccgag taaaaagtga tcgtcgcttg aatctgctca 180

cagcttcaac attaaatttc gagcgttccg atatattacg ggactcaatt acacatccga 240

gtaaaaagtt attgtcattt gaatttgctc agagctctca tattccattt ctagcgtctc 300

gatatattac gagactcaat cagacatccg agtaaaaagt tattgccgct tgaatatgct 360

cacggcttcg gataccattt cgagcgtctc gatatatacg ggactc 406

<210> 3020
<211> 421
<212> DNA
<213> Glycine max

<400> 3020

agcttcttag tttcagatga tgcagatggg tttgtagcta cctcatgtac tcctctaatg 60

actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120

tttctggctt cagtacgagt catgtctcca agggctccac cactggcagc atctatcata 180

cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240

tgatggtggg ggcaactggc acatagtttc ttaaatctct cccagtactc atacaggctc 300

tctccactga gttgtctaat acctgagata tccttcctaa tgctgtggtc ctggaagcag 360

ggaaaattgt ttctaagaat actctcttaa ggtcatccca cctcgtgatg gaccttggag 420

c 421

<210> 3021
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3021

aaattgagaa tggaatgctg ttgatggtag ataacaagtc tgctataagc cttgcatata 60

atcctgttgc tcatggaagg agcaagcaca ttgagactag atttcactac ttaagagatc 120

aagtgtacaa tggaagatgg aggttggatt tttgcagatt tgcagatcaa cttgcagaca 180

ttntgacaaa acctttgaag aaggagaggt ttgaagattt gaggagaaag atgggactta 240

gaagctcaaa tgacatctga attaaggagg agtgttagat aaaaagataa ctcagatgat 300

tagttagtta gttctatcac ttggtgtgta gttagt 336

<210> 3022
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3022

ntgacanatt cgaacgacaa ttacttntaa ctnggatgtc ttattgagtc ccgtaatata 60

tcgagacgct cgaaattgaa tgttgatggt cgctgcaaat tgaaacgaca ataactttct 120

actctgatgt ctgattgagt cccgtaatat atcgagacgc tcgaaattga atcttgatgc 180

tttgagcaaa ttcaaacgac aataactttt tactcggatg tctgattgag tcctgttata 240

tatcgagacg ctcgaaatta atacgaaagc tatgagcata ttaaacgaca aaatttttta 300

ctcggatgtc tgagtgagtc tcgaatataa cgacacgctc gaaactgaat gtgatgc 357

<210> 3023
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3023

taataataat aatttctatt attattatta aatgaaaaaa tttcaaaaag aaggagactc 60

aagctaaaaa gataatgcaa ccaattaata tttccaagga aaaaaatgtt ttgtaaagat 120

attttcagac aatttaaata tttttgtttg actatattag tataaatcat ctttaattca 180

tacatttttt aatattatgt tctcttttt tcattttctt ttgatatact ntgtgtttta 240

acgacttgga ttcaatatga ttntgtttat caattatttt tggatttgta cattacttac 300

gaaattgtat aagtttcttt attttagtta gtatttcact agaatgtaaa atatataatt 360

gatcaaaaca tctt 374

<210> 3024
<211> 353
<212> DNA
<213> Glycine max

<400> 3024

acatgatcac aaaatccttg tttatgtagt gtatcacttc ctaacagata ttgtttatca 60

agttcatgta atcctctttc actaacatga ccgaatctca aatgccagag ttttgttata 120

tcaatcaatg tattactagc taccgatgca tgtgcaataa tagtggaacc ttcaagaata 180

aacaagccat tacttttatt cttgttaccc ttagctatga ttaaagagcc atttgaaatc 240

ttaagaacac catttggaat tctagttgca tatcctagat catcaaacat gtttatggaa 300

ataagattcc tattgagctt tggaatgtac cttacatttt tcagtagata ctc 353

<210> 3025
<211> 367
<212> DNA
<213> Glycine max

<400> 3025

attgacctga aatgttgttt agtgagagat caaggtgttt ctaaaaattt ctttttcccc 60

atgtcatttg gtatccctcc agacagatga tttctagaca agttcaaaaa ccgcaaagca 120

gatagcttgg aaatttcaga tggaattgct ccagacagct tattacttga aaggtcaatc 180

attctcacca atatcagatt gtctctgtac tctaactcat ctcctttggg aactaagaca 240

agagtttcct tgtagtggtt ataactgaag tcagagccat atgaataact taaagggttg 300

gcaaagaagt catcttcacc agccattgtc ttcatgtcat ccaaacaatt tggaatggat 360

cctgaca 367

<210> 3026
<211> 385
<212> DNA
<213> Glycine max

<400> 3026

ctcatggggt atctgtctca acttgagtct ttgctgctaa cacgaccacc gcttttcacg 60

atatattcct tcaacactgc aaaaatgctc tacaatgaaa ttcatagaca tgggaaataa 120

ccaactttct gacacaatac cacaatggat gtgggaaatg caatatctaa tggttctttg 180

tctaagatcc cacaatttca atggcagtat tactcacaag atgtgtcaac tttcttccct 240

tacagtgctg gatcttggca ataacagcct gtcacgatcc attccaaatt gtttggatga 300

catgaaaaca atggctggtg aagatgactt ctttgcacac ccttcaagtt attcatatgg 360

ctctgacttt agttataacc actac 385

<210> 3027
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3027

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ataagtttta actcggatgt ccgattcagg agcttcacat atcgagatgc acgaaattga 120

acaatggaag ctctagagaa attctaatgg tcataaattt tcacacggag gtcctattca 180

ggcgcttaat atatccagac gctcgaaatt gaacaatgga agctctcgag atattcaaat 240

ggtcataact tttcactcgg atgtccgatt caggtgtatc acatatccag acgcttggaa 300

ttgattagcg gaagctctag agaaattcaa atggtcataa cttttcacac ggaggtccta 360

ttcaagcgct taatatatcg agacgctcg 389

<210> 3028
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3028

ngagaatgga gaattgcact aagcaattat tactcatagc tctttactcg aaagtggagg 60

acacatgaac gatnacacaa ttcatggagc tcctgaaaaa gggtagataa tggagaatta 120

cactaagcta tcactacgca tagcttcaaa ctcgaaggtg gaggacacat gaacgataac 180

gcaattcatg gtgctccgaa aagattgaaa atggagaatt gcactacgca atcactacgc 240

atagctccaa acgcgaaggt ggaggacaca tgaacgaaaa cgctattcat ggngctccga 300

aaaga 305

<210> 3029
<211> 281
<212> DNA
<213> Glycine max

<400> 3029

caatggcaaa cactccatcc acctaccttg ttgctctata caacacgctc gaagtagatc 60

ctctatagtc tgaatacttc gttcagtctg accatctgtt tgaagatgat cacttgaact 120

aaccttcaac ttctgtccca aggcttcatg tacactcgtc caaaatcgcc aagtgaacct 180

tggattcctg tcagatacaa tactcgaagg aattccctgc taccttacta cttccttgat 240

atacaacttc actagctttt ccattctata cctcatattc a 281

<210> 3030
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3030

tgngattctc ataaacactg agtctanact catncaactg ttgcaacctg ttactacata 60

cttaggatca aaaattacca acattaaaac ccacatgggt ttgcacttaa ttgagtaagc 120

tcattgggac ctgtaggcct aagatcttct ttatcgatgg gatcctttgc ttctttggaa 180

gatgaatggc agcggaatag agaaggaaga gagagaggag acgccacttc caggagaaga 240

tgagtctaga anaagctcac caccatanga ggccaaggat aagaagctgg aggaagaang 300

agatgaatga anggagaggg agagaagagc acgaaattnt gtgctctaaa agagctctga 360

aatctgaatt taatattcan atgatcaann agtttcaaaa atgcacacac atgaccttta 420

tttatagcct aagtgtcaca caaa 444

<210> 3031
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3031

tatatagaag gtttgttcct aatttctcta caatttcctc acctttcaat gagctggtga 60

agaagaatgc ggcatttacc tgnggtgaan aacaagagca aagctttgct ttgctcaaag 120

aaaagcttac taaggaacct attctagctc tttctgactt ttctaaaact tttgagctag 180

aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccccattg 240

cttattttag tgaaaaactt catggtgcca ccctcaacta cctcacatat gataaagagc 300

tttatgcctt aataagagcc ctccanactt angaacatta ccttgtntcc aaggaatttg 360

tcattcatag tgattatcaa ttacttaagt aca 393

<210> 3032
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all 'n locations
<400> 3032

tcttagtttc agatgatgca gctgagtttg tagctacctc atgcactcct ctaatgacta 60

taacatcatt tctggcgcta aactgctggg agttggaagc catcttctca attaaatntc 120

tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatatt actgagtcct tcataaaaat attggagaag caactgctct gaaatctgat 240

ggtgagggaa actgacacat agtttttaa atctctccca gtattcatac aagatctctc 300

cactgagttg tctaatacct gagatatcct tcctgatggc tatggtcttg gaagccaggg 360

aaatttttc taagaatact ctcttcaagt catcccagct cgtgatggac cttggagcaa 420

ggtaatacaa ttag 434

<210> 3033
<211> 406
<212> DNA
<213> Glycine max

<400> 3033

agctatgaat gctctattta ttggagtcga ccataatatc ttcagactga tcaacacatg 60

cacagtggcc aacgatgcat gggacatcct gaaaaccact catgaaggaa cctccacagt 120

gaagatgtcc atattgcaac tattggccac aaaattctaa aatctaaaga tgaacgacga 180

agaatgtatt tatgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgtctt 240

gggagagacg atgacagatg aaaagctggt gagaaagatc ctcatatcct tgcctaagag 300

atttgacatg aaagtcactg caatagacga ggcccaacac atttgccact tgagagtgga 360

tgaactcatt ggttctcttc tacctttgag ctacgactct cggata 406

<210> 3034
<211> 425

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3034

atacacgaat gaagctctga taccacttgt tagacaagtg gcctcagata tcttaagaag 60

gggggttgaa ttaagatatt gcaaactatt tccccaatta aaattctatt tcaatttcaa 120

tgcaagttgc acgttccctt adaaaatgaa cttttaaata atgattcaaa aagaacaatc 180

tgaatataaa tataaagcaa taataaataa atgagtttaa gggaagagaa actgcaaact 240

cagatttata ctggttcagc cacacccttg tgcctacgtc cagtccccaa gcaacccgct 300

tgagagttcc actatcttgt gaaattcttt tacaagttct gaacacacaa cgacaatcat 360

tcctttgagt ttagatntct ttacaacaag agaccatcgg tctctcaatc ccctttgaga 420

attta 425

<210> 3035
<211> 434
<212> DNA
<213> Glycine max

<400> 3035

caactcattg ttgatagaac atcgaccctc attgttgata ttgttcgaag aatgtcagat 60

ttttctataa gacatatggc ctccacattg tctgctgcct tgaacattgc aaagaggaaa 120

gaaaaagtta gatctttgga agcatttaca aattctagaa taataggagg actttatatt 180

tataaattat tctaccttat tatctgacat aactctaatg aaatctttaa aatcccacaa 240

cctgctccac ttccatggct tcctaggtga tttttctcta acaatatact tgcccaaatc 300

gcacaacaac tcatgcattt gaatccacct cgaatccatg gttatgagtg atttatcaac 360

gagaacttgt acgccatatt cgggaattaa tccacgaaaa tctataactt ccttcacata 420

tttcacagga taat 434

<210> 3036
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3036

agcttcaaca ccggaatctt gtacagctcc ttgtttgttg cattacagga aaacaaaaat 60

tactattata tgaatacatg gttaatggaa gcctggactc cttcatatct ggtacgtaat 120

atatgaatca tgcctaaatt acgttcactt gtgttctatt ctttaagcta atactcagca 180

ccttattaat cttgaatatc taatactgaa caataattct taactctttc agataaaata 240

aaaagtaaat tactggattg ccctcaacgc ttacacataa tacttggaat tcctaggggg 300

ctttcgtatn ttcatcaaga ttctcgatta atgattattc atacagatct caacgcacgt 360

aacattttac tcgatg 376

<210> 3037
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3037

agcttgcttc tacaatctcc cctttntgat gatgacaact ctaacatcaa gacacacata 60

cacacacttt tgtctagtcg attactcact taattntcca ttctncccct ttgtttttga 120

gtttatgctt cacttgaaat taagttaatt acttatgtga gttcttgatt taatccctat 180

ttctcttcgc ctttggcatc aacaaacagc catagtgcat aacaagtata aaacatttat 240

atactattaa tcattcacaa gacattcatt gaagaatata aaccaatcat gaagcaagaa 300

acatgaatag atcaaatata taaaaaccac atagtcatat aacataattc ataattgttc 360

aatcatacca tgcaaataaa gaaatactaa attgttcaaa tgtcaaaata tagccaaata 420

cacggctag 429

<210> 3038
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3038

tatctaaatg caccctatag tgtattactt ttcacatgta tttgtgtatc tatgtttgat 60

catgattttt tgccaccccc tgcacgtggt tatcaaggtg gcagagttat gttgggcctt 120

gtgttggtat gctttcaatc gacaaacaat cttctgataa ccatttgata acccacccaa 180

agattgcaga tagacctgtg cctattgata attctgacat tatttcaaag ggaaataact 240

gtgacagcaa taatttagat attcatcgaa tgttggaaga gggtacagac tatgttttag 300

ttcctgaaaa agtgtgggaa aggctgttgg aatggtaaat ttattatata aatatgttgc 360

tttttaattt ggaaaanatg aatgatctt 389

<210> 3039
<211> 413
<212> DNA
<213> Glycine max

<400> 3039

taaagatcca acctctatga tgcaatccta ccccgcaagg gcattgggta gaagactcaa 60

agtagattgg gctagagatc caagggaagg ccctagggtt ctcatgagcc ttagggtaga 120

tttcgagccc atgggctaag tatgagcctg cttatctttg taaatattag aataggtttt 180

cccttcgtct gggccttgta ctttggccat tctaatacta tagggtttta gccttgtatt 240

tcgaggcatt ttgagtagtt tttgtagtaa ggaatttttt ttttattttc atgtttttgt 300

catggggtgc gcttagctat tatagagggt gtgtagctaa gctctagctt ctcatctcaa 360

ggaggtgagc ttagctatta gagaggtatg tgtatctaag ctctagcttc ttt 413

<210> 3040
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3040

agcttcaaat atcttacttg attcgttaag caaatctcat ttatctaata ttntactagt 60

catattggct cttctaacat tccttttttgg tgatgacaga attaccatgc aaaactttct 120

gcttttggct tggcaaaaga tggaccacct ggtgataaga gccatgtctc tacaagggta 180

atgggcacat atggctatgt tgctcctgaa tatatggcca caggtaccta agtttgtgga 240

gtacttagct tatgaacact ttagttggtc atacaaactt ctatacatat cctgccttct 300

aaattattgc gcaccaacca tataatacat taccgaaaat aagacaccct tatcaattct 360

ttntcaagcc atcggggagc tttntagctt ctttttttttc ccttcattaa caagcac 417

<210> 3041
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3041

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gaaacatgtg cgagggattc taattgctgt cctatttgaa catgtctcag taaagagatt 120

agatccttcg ggtagcgata ttttgatgat gagtaatatc attttcaatg tattacaaaa 180

gagctctttt tgtatttttt atttatctaa cgaaatgtcg atatcagagt agcaactctt 240

angagatagt tctatattga cttaaataag attggagaat taataagcgt agatccggga 300

attcccgata tatgtcaacc tttcgaacta tcgctgaatc catgagtagg cactagacag 360

tctggtgaac tgaaacatct tattatctat ggagtatggt gcttaaattg attaatatt 419

<210> 3042
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3042

ntgagccaat tctaacgaca ataacctttt actcggatgt ccgattgagt cccgtaatat 60

atcgacacgc tcgaaattga atgttgaagc tctaagccaa ttcaaacaac aataactttt 120

tactcggatg tccgattcaa tgacgtaata tatcgggacg ctcgaaattg aatgttgaac 180

ctctaggcca actcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240

acatggagac gctcgaaatt gaatgtttaa gctntgagca aattcaaacg acaataactt 300

tttactcgga tgtctgattg agtcccgtaa tatatggaga cgctcgatat tgaatgttga 360

agctttgagc caattcaaac gaccataacc ttttactcgg atgtctgatt gagtcccgta 420

atatatcgag acgctcgaat tgaatgttg 449

<210> 3043
<211> 448
<212> DNA
<213> Glycine max

<400> 3043

actttagatc gctacaaaga aggacaaata tcagtatgga ccaccttatg gactcctcta 60

agaacaatag catcatttct tgcactgaat tattgggaat cggaagccat cttctcaatc 120

aaattcctag cctcagtagg ggtcatatca ccaagagctc caccactgga agcatcaatc 180

atactcctct ccatgttgct aagtccctca tagaaatatt gaagaagaag ttgctcaaaa 240

atctggtggt gagggcagct tgcacacaat ttcttgaatc tttcccaata ctcatacaat 300

ctttctccac caagttgcct gatgcctgaa atgtctttac tgatggcagt ggtcctatat 360

gcaaggaaga aattctccaa gaacaccctc ttaaagtcat cgcaactgaa aatagacctg 420

tgagcaaggt agtatagcca catctttc 448

<210> 3044
<211> 399
<212> DNA
<213> Glycine max

<400> 3044

ttgcccattg actttagata gctacaaaga aggacatata tcagtatgga ccaccttatg 60

gactcctcta agaacaatag catcattgct tgcactgaat tattgggaat tggaagccat 120

cttctcaatc aaattcctag cctcagtagg ggtcatatca ccaagagctc caccactgga 180

agcatcaatc atactcctct ccatgttgct aagtccctca tagaaatatt gaagaagaag 240

ttgctcaaaa atctggtggt gagggcagct tgcacacaat ttcttgaatc tttcccaata 300

ctcatacaat ctttctccac caagttgcct gatgcctgaa atgacttttc tgatggcagt 360

ggttctatat gcacggaaga atttctccaa gaacaccct 399

<210> 3045
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3045

tgagatggaa caggtcaaat gcgtgggata ccaacttgtg tgttttcacc aacaacatga 60

tggcaatcaa tttccaagtg tttggcgtgt ttgtgaaaaa ctggatttgc agctatgtga 120

agagcacttt agttgttaca atattaattt aactgaggta catgtgcatt gaactttgag 180

attagagaac aaatacataa gtcattatag ttcacaaaca acagagacaa atgctntata 240

ttatgggttg ggataagtgt tttgttttgt ttgttgagaa tgacaagtgg gtgggaatta 300

cactttacta caacaatgga attggatccc tgagtgcaga gcagattcag aggatctctg 360

caagggtgag gcagtacggt aagattgaag gcaagaatgt cttgtattgg ttctagaacc 420

acaaagctcg ag 432

<210> 3046
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3046

agcttctgat ccacccaagg aggaatacat acatgttaga gctcgccggc gtcaagcaac 60

aaacagccat agccttgcag agagagtaag attntgtgag aacttatctg taatgaaaat 120

gaagtttttg tatgaagaat tttaaattac attttcactg ccggtgagga gggaaaagat 180

aagtgagaga atgaagtttc ttcaagatct tgtacctgga tgcagcaagg tggcttctaa 240

gtttgaaccc acaaaattca ctatgtcata ttgttatttg cgtttatgta tcacatcctt 300

ttaacattgc tatttttact ttctatgctt ttacgtcact ggcaacgcag taatgctaga 360

tgaaatcatc aactatgtac agtcacttca acgaccggtt gaggtatgga tgaacagctt 420

atctccctat tgcccacatg t 441

<210> 3047
<211> 264
<212> DNA
<213> Glycine max

<400> 3047

tatggtactc aatatcgagc gtgtgggtat ttatgcgcct gattcggaca tgcgtgtgaa 60

atgttatgat catttgaatt tctcgagggc ttctattgtt caatttcacg cgttttgata 120

tattatacgc ctgaatcgca catgcgcgtg aaaagttatg acctttacga tttctcgaga 180

gcttccgttg ttcaatttcg agcgcctaga tatattatgc gccataatct gacatccgag 240

tgaaaagtta tgaccatgtg gatt 264

<210> 3048
<211> 393
<212> DNA
<213> Glycine max

<400> 3048

tatcttatga caattccaat ctttataagc acaatgtaca aatctatcat gacaaacagc 60

tatcaaaaag gaattttcac cctgccccac aactattgtt atttaattct cgattaacat 120

tatttctacg taagctaaaa tccaagtggt atggaccatt catcatcaaa gaagttatgc 180

cacatggagc actgatattg gacgacccaa cccaccaaac gacatggatc gtgaatggaa 240

gcaaaatcac acactaccta cgtggagatt tcgagacgat aatcattgtt gtcccgctac 300

accacgcttg aaccacaaca aagacctcca actattaaga cgttaaagaa gtgctcctgc 360

gacgccacct actatttcta aaccctactt ttt 393

<210> 3049
<211> 332
<212> DNA
<213> Glycine max

<400> 3049

agcttgagaa aatcttttat aaaaccatcg gaagagttac atctcttgat tttttattca 60

taacttttca ctggtcatcc attactataa ccatgtaatc gattacacaa aacattctat 120

gaaaagatgt gactcttcac aattgaattt gaatttcaac gttcagatac actggtcatc 180

gattaccaat atattgtaat tgattacacc gtttaaaaaa acatttggaa cgttgcaaat 240

tcacttaaaa gcttttgaaa tcaaacttta ccactggtaa ttgattacac gtaattggta 300

atcgattacc agagagtaaa tactctggta ac 332

<210> 3050
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3050

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aacaattatg acctctccag caacagatac aaccctggat ggaggaatca ccctaatctc 120

agatggtcta gccctcagca acaacaatag cagcctgctc ctttcttcca aaatgttgtt 180

ggcccaagca gaccgtacat tcctccacca atccaacaac agcaacagcc ccagaaacag 240

ccaacagttg aggcccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300

cagaacatgc agtttcaaca agagaccaga gcttccattt agagcttgac taatcagata 360

ggacaattag ctacacaatt gaatcaacaa aagtcccaga attctgacaa gctaccttct 420

caagctgtcc aaaatcccaa aaatgtcag 449

<210> 3051
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3051

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catttgctgc ccaagtttca tggtcttgca cgtgaatatc ctcttaagca tcttaaggag 120

tttcatattg tttgttccac catgaagccc cctgatgtcc acgaagatca tatctttcta 180

aacgctnttc ctcattctct agagggagcg cgacaagatt ggttatacta ccttcgctcc 240

acctccattt ttagctggga tcaccttaac acggtgttct tggagaaatt cttctctgca 300

tctacgacca ctgccatcag aaaggatatt tcacgcatta cgccactcag cgcacagaac 360

ctatatgaat actacgagag attacaaaac tatatgccac ctgctctcac actacatttc 420

<210> 3052
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3052

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atggagaatt gcactaagca atcactacgc atggctccaa ggtccagggt ggaggacgca 120

tgaacgaaaa tgcaattcat ggggctccaa aaaagggttg aggatggaga attgcactaa 180

gcaatcacta cgaacggctc caaactcgtg ggtgaaggac gcatgaacga aaatgccatt 240

catggggctt cgaaaaaggg ttgaggatgg agaattgcac taagcaatca ctacgcatgg 300

ctccaagctc ctgtgtggag gacgcatgaa cgaaaatcac attcat 346

<210> 3053
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3053

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atgttcgatt cggcgaaata atatatcgag acgcacgana ttgaacaacg gaagctctcg 120

agaaattcga atggtcataa catttcactc ggatgttcga ttccgcgaca taatttatcg 180

agacgcttca aattgaacaa ccgaagctct cgacaaatta gaatggtctt aacttttcac 240

gccaatgttc cattccggga cataactcat ctatacgctt caaactgaac aacggaagct 300

cttgagaaat ttgaatggtc ataagtcttc acaccgatgt ctcgattggg gacataatat 360

atcaagacga ttcaaattga acaacgcgcg ctctcgacac aatcgaatgg ccataaccct 420

tcacacacat gt 432

<210> 3054
<211> 407
<212> DNA
<213> Glycine max

<400> 3054

ctgcaagctt atataaatcc gaacgccata ctcacgtata tttcacaact gaaaagtgaa 60

tattgaactt atgaagtggt aacgggtgtc aatgtgctta cttcttttca tgaaagactg 120

gattctttgt cacagcgagt gctgatttat tgtccacaca tatttccata ggttcttctt 180

gtggcatttt taactctctc aacaagttcc ttagccaaat tgcatgacaa acgcatgatg 240

tggcaccgac atactccgct tcacaagttg atagcgtcac tattgcttgc ttctttgaca 300

tccaagtgaa agccctatct cccataaaga acacaacacc agtagtgctc tttctatcat 360

ccaagtcttc actccaatcg ctatcactat agcccacaat cgtataa 407

<210> 3055
<211> 391
<212> DNA

<213> Glycine max

<400> 3055

cgtagggtta aagtctcacg attgtcacgt gctcatgcaa caattgttag tcgtggctat 60

acgagacatc ttgctaaaca aagtcaggtt agcgataact cacttgtgct ttttcttcca 120

tgctatatgt agcaaagtca ttgatcctgt caagtttgat gagttggaaa atgaggccgc 180

aattatactg tgccagttgg agatgtattc tccccttgct ttctttgaca tcatgattca 240

catgattgtg catttggtca gagaaatcaa atgttgtggt cctgtttatc tacggtggat 300

gtacccggtt gagcgataca tgaagatctt aatagggtat acaaagaatc tatatcgtcc 360

agaagcgtct attgttgaga ggtacattgc a 391

<210> 3056
<211> 386
<212> DNA
<213> Glycine max

<400> 3056

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tatgaccatt tgaattactc aagagcttcc gatgctcaat ttcgagcgtc acgatatttt 120

atgcgcctga atcggacatc cgagtgaaaa gttaagacta tttgaatttc tcgagagctt 180

ccgttgttga atttcgagcg tctcgatata ttatgcgcct gaatctgaca tccgagttaa 240

aagttatgaa tatttgaatt tctcgagagc tttcgctggt taatttcgag cgtcacgata 300

tattatgcgc ctgaatcgga cctccgagtg aaaagttatg accatttgaa tttctcgaga 360

gcttcccgtg ttcaatgtcc agcgtc 386

<210> 3057
<211> 243
<212> DNA
<213> Glycine max

<400> 3057

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gaggccagat tcagacgcat aatatatcga gacgcttgca attgaacaac caaacgctcc 120

tcagaaattc aaatggtcat aacttttcac tccgacgtcc cactctgcgc ataatatatc 180

aagatgcttc aaattgaaca accacagctc tcgaaaactc caacgcgctc taacctttca 240

cat 243

<210> 3058
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3058

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cattttgcat ctgggcatta cttgtgaaaa ttatttatag gtttaattac tcatttgatt 120

ntatagttcc atcatttata ccttttagtc cctatagttg taaagtgatt tttttagtct 180

ttatgattta cattntaatt gtcttttaat ccttgtagtt tgaaagtaat tttttaagtc 240

attataattt gtattttaat ttctttataa tccttatagt ttgaaaatga tcttttttaat 300

ccatatactt tatattttaa tttcctttta gtccttatca ttaaaatatg agtaatatta 360

tcaattataa ttaactacaa aaataataat aagtaattcg taactaattt atcgcaagat 420

aatttgaata atttntttaa taattataa 449

<210> 3059
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3059

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ttctcatggt ccactttgac cccaattcta tcaactacaa accctaagaa aactatatta 120

tctacacaaa aagtacactt ctctatattt gcatatagcg tgtttttcct aaggactaaa 180

agaacttgcc tgagatgtcc caagtgatca tctaggctcc tactgtacat taaaatatca 240

tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg cataagcatc 300

ataaaggtgc tnggtgcagt agtgagccca aaaggcatca ctggccattc atacaaacca 360

nacttggtct tgaaagcggt tttncactca ttacccttttt tca 403

<210> 3060

<211> 406
<212> DNA
<213> Glycine max

<400> 3060

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aagggtagat ggcacagccc caactccatg aatccattct cttcctaata acaagttaaa 120

attagccttg gactgaatca ccaggaatag agttggtcga actatactgc ctacagcaac 180

atctacttga atggctccca aagaatagcc agttgtacct tcataattcg aaagcacaat 240

gttgtgggca gatagatcag tgtcatgttt cccgattttg tagagcatat atcgaggcat 300

taaattgaca gccgctcctc catcaatgag cactttgttg attccaacat tctcaacttt 360

tgctctgatg aaaagaggtt tgagatgact cttcatctga aaatct 406

<210> 3061
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3061

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ccctcttctt cccattcagg ttgggttgac ccaaaaacga catatatatt tctgtcttat 120

cccctcatca tccatatttc caatcatcac ctatacttnt tttaatgtta aataattaca 180

aatttaaata agattaaaat attatttgat tagttatttg gacacttgcc atttggttag 240

ttataactta acatattatt tttcattata caatctatgt taggtttatt ctcatataat 300

cctttta 308

<210> 3062
<211> 378
<212> DNA
<213> Glycine max

<400> 3062

agcttgtgca ttcaatatcc tgacgagggt gtttcatatg ttctcaagac tggactaata 60

catttgttgc ccaagtttca tggtcttgca cgtgaacatc cttataagca tcttacggag 120

ttccatattt tttgttccac catgaagctt cctgatatcc aaaaagatca tatctttcta 180

aaggtttttt ctcattctct ggagggagtg gcaaaagatt ggttgtacta ccttgctccc 240

aggtccattt tcagctggga tgaccttaag agggtgttct tggagaaatt cttccctaca 300

tctaggacca ctgccatcac aacacacatt tcaggcatca cgcaacttag tggagagagc 360

ttgtatgagt actgggaa 378

<210> 3063
<211> 423
<212> DNA
<213> Glycine max

<400> 3063

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agggttcctc gaacaatgtg atatctcaca ctacgtaaat ctttaaccct ccccctctta 120

ctaagactac agaatattct tgtaaattat gtccaatacc aagtatataa gcagtaattt 180

caaatccaaa cgttaagtgt actctactaa ctttatgtaa agcagacttt ggtttttgg 240

gtgtaataat ggaaaagttg acagataagt cacccttatt gccactctac agaaccatac 300

atgagatttt cacttcatat ggctcctcgt tcaattcttt tgaagtcatt ggatctgttt 360

cctagttcag tttgagaatc tctccccttt ttctaatttg gtccgaagag taactacgac 420

caa 423

<210> 3064
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3064

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ttcaaagttt ggctatgaag atggttcaaa ctgagaaaca ttcggtattt ccattggttt 180

ataaacttat tgagctagct ntgatattgc cggtgtcgac cgcatccgtt gaaagagctt 240

tttcagcaat gaagattatc aagtctaaat tgcgcaataa gatcaacgat gtgtcaattg 300

tatttgtaat taaattaaag tatacaagta aactttaata ttttagctta aaaacatgaa 360

taccaatacc acaatactat tgataattga atgaaatttt aaaacattaa taaaacaata 420

attgttaatt attaaat 437

<210> 3065
<211> 379
<212> DNA
<213> Glycine max

<400> 3065

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taacagcagt ggtaatcgca gtgagttcac gaacataagt ggaggagcta agtaacctag 120

cgcaaaactg tttgctaaaa aaatctatta cgtgtcttcc ttacgacacc accgtgccca 180

tacccgaacc cgaggcgttt gtctctacca tgaaggattt agtgaagtca ggaagtgcta 240

agactggaga atgtgtcata ccatgcttca agtttttgaa ggcaacgtca acttcaacag 300

tccacttgaa ctcttctttg ttaacaggca tgagagtggt gctgccaaag tagcgtacct 360

tcttatacat ctatgataa 379

<210> 3066
<211> 230
<212> DNA
<213> Glycine max

<400> 3066

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ttcgaaaatt ctcagagctt tggaattcaa tttcgagcgt ctcgaaatat taccggtctc 120

aatcagacat ccgagtaaaa agttattggc gtttgaatta gctctgaggt tcagaatttc 180

aattcgagcg tttcaatata ttacgggact caataataca ttcgagcaaa 230

<210> 3067
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3067

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aggtagtccc gaagaagacc ggcctcacag tgatatanaa tgagaaggag gagctgattc 120

ctactcgggt gcagaacaag tggagagtct gcattgacta tatgaggctg aaccaagtta 180

ccaaaaagga ccattttccc ttgccattca ttgaccagat gcttgagcgc ctggcangta 240

aatctcacta ctgtttcctt gatgggtttt ctggttatat gcanattact attgctcctg 300

aggatcagga naagaccaca ttcacctgcc ccttcaacac ttttgcctat aggaggatgt 360

ctttcggcct gtgcaatgcc cctggtacct tccagcggtg catgattagt attttcagcg 420

acttcttaaa aaatgcatag aggtgttcat ggatg 455

<210> 3068
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3068

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ttggccacac cttccacatg taaactcagc caatttcctc tttagcttat gtcctgtgac 120

attgtcctca tctacagatc tccttctatt tttcattggc cttcctcttt ggaccctctt 180

atgtggtgga acagggtgtg tatattgtgt ctgggtccaa tattgtggta tttggactgg 240

ttcaatanaa tgctggtatg tcttattata agcttctatt gacagccact catgacacat 300

gtcctcaggc ttcccttctt tgtgagttat tgttgcaatg gcatgtcaac atggcatccc 360

ttcatcanag ttgtaaaatc agcacacatg tatgttagga atgaaaaaaa aaactataaa 420

gaacacaacc tgtagttgca tact 444

<210> 3069
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3069

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aaagcctgtt agatttaagg aggtaccttt gngatacctc acacccacat tggttgtgcc 120

cttaagatac ttaatgatca tattaacgaa aattaagtga gattccttag gattggactg 180

acatcttgca cataagcaaa cacttagcat gatatctagt ctacttgtag tcaggtagag 240

aagtgatcca atcatagctc tacatcttga ttcatcaaca nnatttacct tttcatctaa 300

gtcaaggtag gttgaagtag ccattggagt agatgcttct ttgcattttt ccataccgaa 360

tttcttaatt agttctatat agta 384

<210> 3070
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3070

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aatattgaaa agcaagggag ctaggggatc ttcttgtctc aaacccccttg tagggagaaa 120

tttcttagaa gggcttgcct taatcaaaat tgatataaaa gctgagtgga ggcaagctga 180

tatccatgat ctccattttg agcaaaatcc caacctgaac agcatgtagt ccaaaaaaga 240

ccaagaaact gaatcgtacg ccttttcaaa gtccaccttg aagatcatca caggtttctt 300

atttctcctt gcttcctcaa ccacctcatt gagaatcaca ataccatgaa gaatatgccc 360

tgctttaata aaggctgact tgctttcatc aattaaccca ttcattacag acctcaatct 420

ggtagacagc aacttggcta taactntata cata 454

<210> 3071
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3071

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agtggagctg ctctgccagc tgcgtcaccc aaagatcgtc tctcttatag gattctgcaa 120

cgacgaatat gataacactg atgtgtacta gtacacggtc aatggatctc taaatcgaca 180

cctacgaggt gaggataccg atgcactgcc ctggaataag aaggtagaga tcttcatacg 240

aatatangag cagcaagtgg actacactac cttgacaccg acactaacaa cattctattg 300

gatgataaca tgcagccaaa actgacagat ttcgaccttg gcgacaccga gcatgtttat 360

gtcaagccca aaccaagtat agagagaatg ataatatatg ggaaatcata tcttatttat 420

gagctacact cact 434

<210> 3072
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3072

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agttcttgat cctagacttc cctcaggtcc acttcataag gtgattcatg ttttttatgt 120

aaccatgcta tgtgttgagg aacaggcggt ggagcggcca actatgtgca aagttgttca 180

aattctgacc gagcttccaa aaccaccaag ctcaaaacaa ggagacttaa caatcataga 240

atcctctgtg tcattatcaa acagtttaga gtctccaacc acggcatcaa aggaacccan 300

agatcaacat catcctcaat ggccaccaac cgatctactt atcatttgaa ttttgagtgc 360

tcagttggag acaagggtgt gcgtcatatt atttccttgg attgggtagc tatctat 417

<210> 3073
<211> 464
<212> DNA
<213> Glycine max

<400> 3073

agcttctgtt cgtgcttaac agataattga aagactattg tcttactcct tgtgctgaat 60

tcacggtact cagctgaaat agcatagaat ctgtaatcct cactggtttg aatacctgca 120

gagatatcaa cattcaacca aacatatctt aatatcaatt ttaaacaaaa gtaaacatga 180

gcaacaataa tagtataata cccgactatt caacatagca atttagttta cctttgtcat 240

tagcgtctcc attccattga ccagaggtgt ggttccactc cccagccacg ttctcatctt 300

ttttccaatc tgatttaacc catcgatttt cccacccgtc tggcatccac acaaagcaca 360

tgcacacgag ttagaaaagt gggaaatact gatctaggat taaagaaaat acaaatgaac 420

ttcgaaaagg actacccgtt gaggcgcaag gacaaataat attt 464

<210> 3074
<211> 326
<212> DNA

<213> Glycine max

<400> 3074

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gtgtcctcca ccttcgagtt tggagctatg tgtagtgaat gcttagtgca attctcaatt 120

ctacaccctt tttcggagcc catgaattag cgtttcgttc atgtgtccct caccttcgtg 180

tttggagcta tgcgtagtga gtgcttattg caattcttca ttctcaacca ttttcggagc 240

cccatgaata gcgtgttcgt tcatgtgtgc tccaccatcg agtttggagc tatgcgtagt 300

gattgcctag tgcaattcta cattct 326

<210> 3075
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3075

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ctgttcccca aattcctgaa aaatgtaaag atccaggtac attcagcata ccttgtatta 120

tagggaatag taagtttgac aatgccatgc tagatttaag agcttctggt agtgatatgc 180

ctctgtctat ttttaattct ctatctctag gtcccttgca gtcaactgat gtggcaattc 240

atttagctaa tagaagtgtt gcgtatcctg ttggtttcat agaagatgtc ttagttagag 300

ttgacgaact gattttccct gttgattntt atattntgaa tatggaagat ggattntctc 360

aaggatcagt tcccatcatt ctaggcagac cctttatgac cactactaga actaagatag 420

atgtttatac aggcacacta tccatggagt 450

<210> 3076
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3076

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agaattagct cctttatttc tctattgcct ttagttgcat acacctttgt ttgattctct 120

atttggttcc taaccctctc atgcaacttc tatacaaact ctgacctaga ttccccttct 180

ttacgtataa aagaagtgtc aagtgggagg ggaattaagt ctaaggatgt tagaggattg 240

aacccattga caacctcana aggggattcc ttggtggttc tatgaacccc catgttgtag 300

gcaaattcta catgaagaag atattcatcc caagacttat ggttgccttt cagaagatcc 360

cttanaaggg tggatagaga cctattcact acctct 396

<210> 3077
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3077

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atgtaaggac agagatatgc tntgctctgt gcactcttga actatgttac tatttgtgtg 120

ctcatgatca tggcgtcata tgtaatgaac tttgtgcctt tctcaatgct tctaattctg 180

ctgaaacctc tatcattgtc ggtcttttct ttccattaag tctcaagcat attattgcaa 240

gatctgcaac agcaagaatg tcatctatac ttgcgtcctt gagcactctg tcatcaaaaa 300

ttatacacac ttggctcttc ttcatcaatg aaatgaattg agcaaccaga tcttgaccct 360

catcttcata taacaatgaa gtatgctgtc tcccagatat gagctgtaca agcacaactc 420

ccagagtata cacatcactc ttatctgata attgact 457

<210> 3078
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3078

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cgaaatgcaa aatgtcttaa tctcattatt ggttaagaga aattctatct ttgtgctttc 120

attcctcatt cttcgcatta ttttttttgga aaaaatgtgt gttgttctga tcggtttgtg 180

gctttgtttc tttaccatgc gtgcttgcat tctagtgaga agtttcagaa acttcaaggt 240

cttcagtctt ttacattcac aagacttcaa tgtcttctgt ctgttacatt ccanatactt 300

caatgtcttt tattttatac atttacaaga cttcaatgtc ttcttcttta catttcaaag 360

acttaatgtc ttttgctttt 380

<210> 3079
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3079

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agtacttcaa ttccatatgc ttagcacccg tagagtactt gtcgttctta gaaaagaata 120

ctgctgcgga gttatcacaa tacattttca gtggcctagc aatactgtcg acaattccaa 180

gccctgaaat aaagttccgc agccaattag cctgaattgt agcctcaaaa catgctacaa 240

attcagcttc catggtggat gcagcaacaa ctgattgttt tgcactcttc catgatattg 300

ctcctccggc taagagaaat acaaagccaa gagtggattn tcttgtatcc acacatccag 360

caaagtctga gtctgaatat ccaatcacct ctaggtgatc agacctctta tatgtaagca 420

tgtggtcttt tgttccctgt aagtatctca gaactt 456

<210> 3080
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3080

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gctggagaat atgcatcgat taccacaagc ttcaagaagc catgaggaaa gaccactttc 120

ttttgccttt catggaccaa atgtaggaga ggcttgtggg acaagcttat tacaacttct 180

tgtatggata ctctggatat aatcaaatta cggtggaccc caaggatcag gagaagacga 240

ccttcacatg accttntggt gtctttgctt tagaggtgca tgttggcata ttttgtagat 300

atggtggaga aaagtatcga ggtattcatg gatgatttct cggtatat 348

<210> 3081
<211> 462
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3081

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aataactatg acctctccag caacaggtac aatcccggat ggaggaatca tcccaacctt 120

atttggtcga atccttcaca acaacagcaa caacaacaac cttactttca aaatgctgtt 180

ggcccaagca gaccatacgt tcctncacca atctagcaac aacagcaaca acagaaacaa 240

caaacagtta aggcccctcc gcaaccttcg cttgaagaac ntgtgaggca natgactatg 300

canaacatgc agtttcagca agatatcaaa gcctccattc agagcttaac taatcagatg 360

ggacagttgg ctacacagtt aaatcaacaa cagtcccaga attctgatag aataccttct 420

caatctgtcc agaatcacan aaatgtgagt gccattacat tg 462

<210> 3082
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3082

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tgaaatgatc cggaagcaaa acctcaaatc tgattggtca gtatctactt taattgttga 120

tgtaagcaag ttcacagtgt gatgagcaac aaatttctca tcatgtactc caccatgatg 180

atgagaagac agatcgactt aaaagtccag agctcagagc tattcctctg gccagaatgt 240

tgactactag acccctacac atgataaata accacaaaaa atgtnttttt atataaatgt 300

ttgccaatta atcaccctca atgtatcact tgataaatgg tttttataaa tggcatgcac 360

ttncggatac caataaatga gtgtgtaaag acatagctga ttccaaacct ggataatata 420

gggctccatt tggtgcaaca attcataccc ctactggtgg aaataattca agtcaca 477

<210> 3083
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3083

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ttttgaattc tttagttcct gaatgtacaa ctttcaaatt ggtggtcgtt cccctctttg 120

gtttatgcaa aaaatgaaat caatatcaaa caaaacatgc atacaattgt catcgttatt 180

gctacttgaa ccataaggaa taacatctaa agaagtactt taaaacgttt atctattttt 240

tttggtattt tttgaattac aatcttactt caatatctaa tattttaatg tacttaagtg 300

gaggatgttg acgaagagaa ggagaatgaa gaaaataatt taaagaagat taaggaagtg 360

tcacatattt ttctccttag caaggaagtg tcacatgaat gctcgttggt gaacaagcat 420

aatggcattt ggatgacaga gcctgatgag atcacaaagg aggagtatta tgctttctac 480

aagagtctca ccaatgactg ga 502

<210> 3084
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3084

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gaatttgaaa ataaagaatt tgaactattt tgtgataagc atggcattga acataacttt 120

tctgcaccta gaactcctca acaaaatgga gttgttgaaa ggaaaaatag gtctttggaa 180

gatattgcta gaaccttatt aaatgacact cctcttccaa aatatttttg ggctgaagcc 240

gttaatactg catgctatat catgaatagg gctttaataa gacccatttt aaagaaaact 300

ccatatgaat tgtttaatgg tagaaaaccc aacatatcac accttcattt atttggttgc 360

aaatgctntg tactatacaa tggaaaagat aacttaggaa attnttatgc aaaatctgat 420

gaaggcatct atcttggata ttcattgcan nagtaagcat atagagtata taacanaaga 480

actatgatca tagaagagtc tattca 506

<210> 3085
<211> 279
<212> DNA
<213> Glycine max

<400> 3085

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aactgaatgt tgaagctctc agcaaattca aacgacaata actctttact ctgatgtctg 120

attgagtccc gtaatatatc gagacgctcg aaaatgaatg ctgaagctct cagcaaattc 180

aaacgacaat aacttttttac tcggatgtct gattaaagtc cgtaatacat cgagacgctc 240

gaaacagaat ggtgaagctc tcaaccaatt caaacgaca 279

<210> 3086
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3086

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ntaaaaagta ttgtcgtntg aattaactct gagggtcata attcaatttc gagcgtctca 120

atagattacg ggaccgcatc atacattcca gcaaaatggt attggcgctt gaattaactc 180

acaacttcac aattcaattt cgatcgtttc gatatattac cggactcaat caaacatctg 240

agtaaaaaag ctattgtcgt ttgaatttgc tgagagcttc aacattcaat ttcgagcgtc 300

tcgatgtatt acgggactca atcagacatc cgaggaaaaa gttattgtcg tttgaattgg 360

ctctgaggtt caaaattcaa tttcgagcgt ctcgatatat tacgggactc aatcac 416

<210> 3087
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3087

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tatacgagac atcttgccca acaaagacag gttagcgata actcgcctgt gctttttctt 120

ccatgctata tgtagcaaaa acattgatcc tgtcaagttt gatgagttgg aaaatgaggc 180

cacaattata ctgtgctagt tggagatgta ttttccccct gctttctttg acatcatgat 240

tcacttgatt gtgcatctgg tcagagaaat caaatgttgt ggtcctgttt atctatggtg 300

gatgtacccg gttgagcgat acatgaagat cttaaaaggg tatacaaaga gtctatattg 360

tccagaagca tcgcatctat tgttgagagg tacattgcag aagaagccat tgaatnttgt 420

tcagaatact tagagaaggc taaacctatt ggccttcctg agtctcagca tgatgacaga 480

gt 482

<210> 3088
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3088

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gccatcttta atggagtggg ttaccactac tggtaaaccc gcatgcaaat ctttatagag 120

gcaatagatc taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180

gccggaagtg caacaataga aaaacctaga gcaaattgga ctgaggaaga aagaagatta 240

gtacaatata atttaaaggc caaaaatatt attacatctg ccttacgcat agatgaatac 300

tctatggttt caaattgtaa aagtgctaag gatatgtggg atacactaca agtaacacat 360

gaaggcacaa cagatgttaa cagatctang ataaacactt taacgcgtga gtatgaacct 420

tntangatga atgtaaatga aagtatacaa gacatgcaaa agagggtcac acac 474

<210> 3089
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3089

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ctacaacaat tacagcaaga cccactatcc acaatgagag aacaattttt tgttaacacc 120

ctgcatcttg tatgaaggat gttctctctt ttggtttaag tcaggtcata aaatatactc 180

ctaaggagcc ttctcaccat tagaagttca ccttcttcat aggggtaaaa ctcctcaata 240

tgcttatcac ccgtggcttc accctcactt ccacttgaag cgggaaaaga agtagcttcc 300

tcttggctac tatatatgtc ttaacccctc atgatcatgg ttttctttgc agggtattga 360

gaagcaatgc ggcccttccc aatacatttg aagcacttga tgttactagt tctatc 416

<210> 3090
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3090

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taanatgtta ctgtcgttta aaattgcttg gctcttcagc attataattc gagcgtctcg 120

atatattacg ggactatatc agacatccga gtaaaaagtt ggtgtcgttt gaatttgctt 180

agagattcaa cattcatctt cgagtgtctc gttatattac ggggctcaat tagacatccg 240

agtaaaaagt tattgtcgtt ggaattggct ttgagcttca atattcaatt acgagggtct 300

cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattntc 360

tcatagcttc atcattcaat tntgagcgtc tctatatatt acaggactca ataagatatc 420

cgactagaaa gttattgtcg tttaaattgc taagagcttc aacattcaac tttg 474

<210> 3091
<211> 591
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3091

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gtagtaccta gaatacagaa gaagcaacaa caatcaattt aacaatattc tttaaacatg 120

caagacacaa ttgattgcaa caaaataaat aagataaggg aagagagaat gcaaacacag 180

ttttatactg gttcggccac aacccgtgcc tacgtccagt actcaagcaa cccacttgag 240

atttccatta tctttgtaaa atcctttaca aagtctgaac cacacaggga caacccatcc 300

cttgtgttca gatgctttac aacaagagac tcacagtctc ttaaccaatc tcattgaata 360

agaagaatgg aagaagaatt ctctcttcaa gagaagaata ttacaatgaa gatcatgtaa 420

aaatccttat agattttgca agtgtttggc caagggattc ttttgagaga gcatttgaca 480

atgaagttct tttggaatct ctctcattgt cttttgagag gataagacat ttntgccaag 540

ccaaactctc ttaatctttt gagaggataa aacattttga tcaatcaaaa c 591

<210> 3092
<211> 310
<212> DNA
<213> Glycine max

<400> 3092

ttacgagtgc ctgtatattg atgcgcctga gtcggacatt cgagtgaaaa gttatgacca 60

tttgaatttc tcgagagctt cctatggtta attttgagcg tgctcatata ttatacgcct 120

gaatcgaacc tcagggtgaa aagttatgac catttgaatt tcttgagagc atccgatgct 180

cattatcgag cgtctctata tgtgatgcac ctgaatcgga cctccgtgtg aaaagttatg 240

accatttgaa tttctcgaga gcttccgttg ttcaattttg agcgtctcga catattatgc 300

gcccgaatcg 310

<210> 3093
<211> 294
<212> DNA
<213> Glycine max

<400> 3093

tcaaccaagg ggagatggac catttcaagt gcttgaaaga atcaatgact atgcttacaa 60

agttgaactg cccggtgagt ataatgttag ttccaccttc aatgtctctg atttacctct 120

ttttgatgca gatggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180

tgaggacatg accaatagca agggcaagga tccacttgaa ggacttggag gacctatgac 240

aagggctaga gcaaggaaag ccaaggaagc tcttcaacaa gtgctgtcca tact 294

<210> 3094
<211> 290
<212> DNA
<213> Glycine max

<400> 3094

tgtgggggga catgttgact tgctatgcaa tctgacattc accacagatt ctgccttatt 60

ctattttcag atagggaatg cctctcacag cccctctgcc aatgatctgc ttcatgcctg 120

ttaagtgcag acgtccaaat ctttgatgcc atattctgac ttcatcttct ttggaggata 180

aacatgtgga ggactaactg gcttcttgag gtgtgcatag gcaacatggg tacttggatc 240

tgatgccgct tattataact acactcttct cattagtcac caagcattct 290

<210> 3095
<211> 593
<212> DNA
<213> Glycine max

<400> 3095

agcttcccaa ccaatctccg atatctttca ggatcagaat aaggctcccc ctgattgggt 60

aacaattttt gatttggatt catgggacta tcaattgatc tacaatctga catactagtt 120

tctttaagta tgtctaacgc atacttcctt tgtgagatga taatcccatc ttttgactga 180

gcaacttcaa ttccaagaaa atatttaagt tttcccaaat ccttagtatg aaaatgacta 240

aataaatgtt ccttcagttg agcaattttt tcttggtcat ttcctgtgat gactatatca 300

tctacataga ccaccaagta aacacatcta ctcgatgagg tatgacaata aaaaattgaa 360

tggtctgctt cacttcgttt catcccaaaa gcctgaacaa ctgagttgaa ttttccaaac 420

caagctcgtg gagattgttt gagtccataa agagacctcc gaagtttgca aaataagcta 480

gactcccccc gagcaacaaa tccccgtggg tggctcatat aaatctcctc ttctaattct 540

catgtaggga tgcattttta atatccaact gatacagtga tccatgacgg atg 593

<210> 3096
<211> 297
<212> DNA
<213> Glycine max

<400> 3096

tcccaagttt ttaagttctt cctcaaaact gtcctaagca aagatcccaa agtcctatta 60

acaacttccg tttgcccatc ggtttgtggg tgacaagtgg ttgaaaataa caatttagtg 120

cccaacttgc tccacaaagt cctccaaaaa tgacttagga acttagagtc cctatcacta 180

acaatgctcc ttggcaaacc atggagcctc acaatctcct tgaaaaacaa atcagccaca 240

tgggaagcat catcaacttt tttacatgga ataaaatgag ccattttaga aaaccta 297

<210> 3097
<211> 499
<212> DNA
<213> Glycine max

<400> 3097

agctttaaga aaagtcaaac gacaataact tttaactcgg atgtccgatt gagtcccgta 60

atatacgaga cgcttgtaat tgaaaataga agctctgaac aaattcaatc gacattaact 120

tttgactcgg atgtccgatt gtgctccgta cgatatcgag acgctcgaaa ttcaaaacgg 180

aagctctgag aaaaatcaaa cgataataac ttttaactcg gatgtctgat cgagccctgt 240

aatatatcaa gacgctcaaa attgaaaacg gatgctctaa gaaaagacaa acgaccataa 300

cttttgactc ggatgtctga ttaagtcccc gaagatatcg agacgctcgt aattgaaaat 360

ggaagctctg agaaaaatca aacgacaata acttttcact cggatgtctg attgcgccct 420

gtaatatatc gagacgcacg aaaatgaaaa ctgaagctct aagaaatgtc aaactacaat 480

aactgttgac tcggatgtc 499

<210> 3098
<211> 295
<212> DNA
<213> Glycine max

<400> 3098

tgtatccatg gcttcctatg gtggtgagct tgttcttgac tcatcttctc cttgaagtgg 60

catctccaat caccttttcct tcttttccat tccgttgtca ttgatcttca agaagcaaag 120

ggctctattg atgaagaaga tccaatgctt acaagctcta tatggagcta catcagttta 180

tgaaatatag gttgaagttg tgtataatat ttgattgata tcatttttttg ggggatcaag 240

gatatcatgc atatgttaca atttagatgc aaacaaaatt tgcatagact aacca 295

<210> 3099
<211> 293
<212> DNA
<213> Glycine max

<400> 3099

tctctaaatt tatattgcaa aacagagtat ctagacatag ttgtactcaa atatattatg 60

tagctatcct taatgttttg tgtaatatat tttctgtttc tcctctggca gcttaaacga 120

tgggagcgga aggagtgtaa accaaacagt cttcctatct tgcacaaaat gcaggagatg 180

cggtttaagt catatttgga cgagaaaggg gtaaagttgg ggagattact gaaatcttca 240

agcatgacaa cagtgttata gtgaaagatt taaatttgaa gacaaagcat gtc 293

<210> 3100
<211> 709
<212> DNA
<213> Glycine max

<400> 3100

agcttgtaat tgattaaacc gatacgagat ataactctgt aagcttaaaa caacttttgt 60

aatcgattac tataagattg tagttgatta aaacacagag ttttatcttc tgaagaaatt 120

ttctaacttt gaaaattttc ttttcactca cacatgatga tgcatgatgc acaaatgata 180

tgatataaac taagatgcaa catttaatat aacaaataat acaaatgtca ttcaagagag 240

ttggaaatgt aaaagataaa acttcttcaa gcttcaaaac taagtcttca atgttgctca 300

tgttgctccc tctatctcta acataatatt caagtatttt tttatcatca agttatttt 360

aactttcaca aaccaggttt aaaaatattt tcaaagaaat aaactctcac atagagaata 420

aaggcaatgc aaaatgaata ctcatgaatt aactttgcta gccaaagcat aacactttga 480

gaccaaatga tcatctatga gagcttttt ggaaggagtt ttttgacact ttgtgtttac 540

ttatatccta agttcttttt cttcaaagtt tcaatctttc ttatatatag gctttaatta 600

atgggtacta gagagacgcc ccgtgccgat gcacgggctt atactaatat gtaaatattt 660

atacatatac attattacat gtatacacct atataatttt atttatttg 709

<210> 3101
<211> 294
<212> DNA
<213> Glycine max

<400> 3101

tgaaggtaaa ctagatgcct tggttaacct ggtaacctaa ctggtcatga atcaaaaatc 60

tgcacctgtt tccagacttt gtggtttatg ctcctctatc gaccaccaca caaacctttt 120

cccttctgtg caacaatctg aagcaattga acagcctgaa gcttatgctg caaacatcta 180

caacagacct cctcaacctc agcagcaaaa tcagccacaa cagaataact atgacctctc 240

cagcaacagg tacaatcctg gatggaggaa tcatcccaac cttagatggt cgaa 294

<210> 3102

<211> 295
<212> DNA
<213> Glycine max

<400> 3102

ttgagaaaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgaaatat 60

atcgagacgc tcgaaattga ataccgaagc gctaagcaaa ttcaaacgac aaaaactttt 120

tactcggatg tctgattgag tcccgtaata tatcgaaaag ctcgaatgtg aatgtagaag 180

ctctgagcaa attcaaacaa caataacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaacg acaat 295

<210> 3103
<211> 589
<212> DNA
<213> Glycine max

<400> 3103

agcttctaca ttcaatttcg agcttttcga tatattactg gactcaatcg gacatccgag 60

taaaaagtta tcgtagtttg aatttgctca gggcttcaga attccatttc gagcgtctgg 120

atatattacg ggactcaatc ggacatccga gtaaaaagtt attgttgttt gaatttgctc 180

agagcttcgg tattccattt cgagcgtctc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtagtt tgaatttgct cagggcttca gtattccatt tcgagcgtct 300

cgatgtatta cgggactcaa tcagacatgc gagtaaaaag ttattgacgg ttgaatatgc 360

tcaaagcttc tacattcaat ttcgagcgtt tcgatatatt acgggactca atcagacatc 420

cgaataaaaa ggtagtgccg tttggaattg ctcagagctt caccaatcca tttagagcgt 480

ctcgatatat taccggactc aatcagacat gcgagtgaaa agttattgtc gtttgaaatt 540

gctcagagct tcaacattca atttcaagcc gttcgaaata atacgggac 589

<210> 3104
<211> 312
<212> DNA
<213> Glycine max

<400> 3104

cactattgct tactcaccct tcggagtttc caagtgccga ttcgtcttct tctttagtcc 60

agtcttcttc tggcttcaat tcattagagg gctttccttc tgtgtccagc atcttgggat 120

gttcccagcc tttgatgaca gctttccagg ttctgctatc cagtgatttg aggaaggcca 180

ccattcttgc tttccagtat tcatagttgg ttccatcaag aattggtggt ctgttcactg 240

gtcctccttc tttctccatg ttcatcagaa tttatctccc tagatctcac tcagtgattt 300

cgagtgcccg ct 312

<210> 3105
<211> 295
<212> DNA
<213> Glycine max

<400> 3105

tgaaggcaaa ctggatgcgt tggtcaactt ggtaacccag ctggccttga atcagaaatc 60

tgtacctatc gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcagttga gcagcctgaa gcttatgctg caaatattta 180

caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctaac ctcaaatggt ccagc 295

<210> 3106
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3106

agcttcaaac tcgaaggtgg aggacacatg aactaaaatt caattcatgg ggctccgaaa 60

aaggttgaga atggagaatt gcactaagca ataactacgc atagctcaaa actcgaaggt 120

ggaggacaca tgaaccaaaa ctcaattcat ggggctccga aaaagggtga gaatggaaaa 180

ttgcactaaa caatcactac ccatagttcc aaactctaag gtggaggaca catgaacgaa 240

aacgcaattt atggagcttc aaaaaagggt gagaatgggg aattacacta agcaatcact 300

acccatagct ccaaactcca tgggggagga cacatgaatg aaaaccatat ntatggggct 360

cccaaaaagg ttgaaaatgg agaatagctc taatgaatta cta 403

<210> 3107
<211> 676

<212> DNA
<213> Glycine max

<400> 3107

agcttatagt tattggaggg agaataaaac aatccaaaat ctaattgtac ctttcaagta 60

acgaaaaatt ctttttgcg cttttagaag aagagaggga ggagcctcca taatagcgac 120

acacaactcc caccgtatat aaaatatcgg gcctttgatt ggatagaaac cttaaactcc 180

ccacaagact cttgaagatc ggggagtcta ccttctctct tcataaactt gataacttaa 240

gccaccttcc ataggtgtgt tcacgggatt gcaatcaaac atattaaatt ttttcaacac 300

ttttttgtg tacctttctt gtgagacaaa gataccattc tctgtttgct tcacttccat 360

tcccaagtaa tatgacatga gtcccatatc tgtcatatca aattcacgag acatggactc 420

cttgaagtct tcaaacaaat ttgggttatt gccggtaaag ataacgtctt ccacattaag 480

acaaattaat aagacatctc cttattaaaa gtttaacata aagagcatac ttttcttgac 540

atgaacaaac ccattgtttg gaagattgtc aatgcgatat tccatgccct tgggcttgct 600

ttacacatac aagccttgtc aattcagaaa ttttttcttg accttaagaa aaaccattgc 660

tgtcacataa catttt 676

<210> 3108
<211> 297
<212> DNA
<213> Glycine max

<400> 3108

tgcatgattt acacctccct ctttctcaag caaattcttc ttgatatcat caaaatcttc 60

atgatttaca cctcaaacct ctagtagggg caaattcatt tgaggggctg ccatttatga 120

gaatggatat agaagctgat tgattgcaag cattgatcca tttcctccat ataggacaga 180

accccattct gaccatcata taatccagaa agttccatga aacagagtca taagcctttg 240

caaagtccac cttaaacacc aaagttggtt acttacttct tttagcttcc tctattg 297

<210> 3109
<211> 297
<212> DNA
<213> Glycine max

<400> 3109

tttaactgaa tttgcaacat tccaaatgtt ttttaaatgg tgtaatcgat taccagtgta 60

tctgaacgtt gaaattcaaa ttcaattgtg aagagtcgca tcttttcata aaatgcattg 120

tgtaatcgat tacatggtta tggtaatcga ttaccagtga caagttctaa ataaaaagtc 180

aagagatgta actcttccaa tggttttctc aagattttct caaggttata actcttccaa 240

tggttttctt gacctgacat gaagagtcta taaaagcaag accttgaatt gcattca 297

<210> 3110
<211> 583
<212> DNA
<213> Glycine max

<400> 3110

agcttcaaca ttcaatttcg agcgtctcga tatattacgg gcctcaatca gacatccgag 60

taaaaagtta ttgtcgtttg aattggctca aagcttaaac attcaacttc gagcgtctcg 120

atatattgcg agtctcaatc agacatccga gtaaaaagtt attgtcgttt gaatttgctc 180

agagcttcaa cattcaattt tgagcgtctc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tggattggct cagagattca acattcaatt tcgagcgtct 300

cgatatatga caggactcaa tcagacatcc gtgtaaaaag ttattgtcgt ttgaattggc 360

tcaaagctcc aacattcaat ttcgagcgtc tcgatatatg acgggactca atcagacatt 420

cgagtaaaaa gttattgtcg tttgaatttg ctcagagctt caacattcaa tttcgagcgt 480

ctcgatatat gacgagactt aatcagacat ccgtgtaaaa gttattgtcg tttgaattcg 540

ctcataggtt caacatttaa tttcgagcgt ctcgatatat tac 583

<210> 3111
<211> 582
<212> DNA
<213> Glycine max

<400> 3111

agcttatttg taaaaaaacc ctaaaaccta atttgtcaaa tacccattaa accccaatca 60

gtcaagtaat tctaaaccct tatctttcaa ataccctaa accataacta gcaaagaaat 120

ccaaaaatct aatttgtcaa ataaacataa accctaattg gtaaagtaac actaaacaca 180

aatttgtcaa ataccctaa accctaatta gtgaagtatc cataaaccct aagttttaaa 240

ataactataa accctaattg gtcaagtaac actaaaccct aattagtaaa gtaaaactaa 300

accctaattt atcaaacacc cttaaacccc aattagtaaa gtaaaactaa accatgatct 360

gtcaaatata gctaaaccct aattagtcaa gtaattgtat ccctaatttg aaaataaccc 420

taaaccctaa acagtcaagt aacactaaac tctaattagt taagtaccca taaaccccaa 480

tttgtcaagt aacccgtgaa tccctaaatt tcaaatactc ctaaacccta atataataaa 540

taacgcttaa ccctaattgg tcaagtaaca caatattcta at 582

<210> 3112
<211> 295
<212> DNA
<213> Glycine max

<400> 3112

ttgagccaat tcaaacgaca ataacttttt actcgaatgt ctgattgagt cccgtgatat 60

aacgagacgc tcgaaattga atgttgaagc tctgagctaa ttcaaacgac aataactttt 120

tactcagatg tctgattgag gcccgtaata tatcgagacg cttgaaattg aatgttgaag 180

ctctgagcca attcaaacga caataacttt ttactcggat gtctgattga ctctcgtcac 240

atatcgagac gctcgaaatt gaatgttgaa gatctgagcc aattcaaacg acaat 295

<210> 3113
<211> 483
<212> DNA
<213> Glycine max

<400> 3113

agcttaccca tggcgtacct acaccatgcc caaattcaag ggacaaatta aatatatgcc 60

ataagttatg aagcaaatta taaatatatc atgaatggtc cgcagtatga aatttctata 120

tgccaaaaat cataaaatta aaaaaaattg cagcctgcat gatagggact tgactgtgac 180

catgtgcatg tggttctttt ttttaacact gcaagttatg tactggcagt gtgggttgag 240

actgaagata aggcagggta ctttcaaatg acatgaaatg gggtactcgt aaatcgtaat 300

acttactctg gtgccgaata tccagtggtc cccaacatac gggtggaaac ctgaccgttc 360

ctcttgtctg atcccatctt aggcaatcca aaatcagaca ccttggcacg catgttttga 420

tccagtagaa cgttgttact cttgaagtct ctgtggatca caagagagac tgtttgttca 480

tgc 483

<210> 3114
<211> 643
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3114

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gactattttt ctcccatgtt taagttgtat gtaacttgta ttttcttcac agacggggca 120

tgcatgatga cccttaacac tgtaaccgct gagattccca tatgctggaa agtcattaat 180

ggtacaaaaa agcattgcac gtatttcaaa cgtctccttg cgaaacgcat caaatactac 240

aacccccctcg tcccacaact ttctcagatc ttcaaccaac ggacttagat aaacatcaat 300

gtcatttcct ggttgtcttg ggcccgatat catcatagac aacatcatgt attatcgctt 360

catgcacaac caaggaggca aattgtaaat tactagcaga attggccatg aactatgttg 420

agtgcttaag gtgccatatg gattcattcc atcactggct agtccaagtc taagatttct 480

tggctcattc ccaaaatccg gatacaaacc atcaatcttc ttccactgcg agtaatcagc 540

ccgatgacag accattccat cagaaatcct tcatttgcat gccatgtaan ggtctttgcg 600

tcattctcgt tgcaaagaga cgcttaacct tggaatgatt gga 643

<210> 3115
<211> 294
<212> DNA
<213> Glycine max

<400> 3115

tctatttttt attacgagcg tctcgatata ctacgggaca caatcggaca ttcgagtaaa 60

aagttattgt agtttgaatt tggaacgagc ttctttttttc aattacgagc gtgtcgatat 120

attacgggac acaatcgtac atccgagtaa aaaggtattg tcgttagaat ttgctaagag 180

cttatgtttt caatttcgag cgtctagata tattacgggt cacaatcgga catccgagta 240

aaaagttatt gacgttagaa ttttctaaga gcttatgttt tcaatatcga gcgt 294

<210> 3116

<211> 540
<212> DNA
<213> Glycine max

<400> 3116

agcttgacag tgcctgattc attgaccagc aagtttgttc ctttgatatc tctacagaac 60

caaatcaact caaccatttt aacaaacttc aaacagcaat gccaaacaga ttttattagc 120

aagatagaaa ggttgctttc attaaacatc cttgtcacct gtggatggtt ttgttactat 180

gtaagtaagc taatcccgaa agaatatgcc ttgtaaaatt gcaaaccaca gattctgtca 240

tagctccaca atgttcacgc ataaatttac tgattgatcc cgggtagaca tactccatat 300

atatgtacaa atgatcgcca acctgaaaat acaaatgctt caaaacgtca atctaattta 360

ctatgacaaa tatccttaac tttccattgg gttgtatcga ttatacttgg aacaaaaact 420

taacaaccaa gaattaactc actgtttcac ttccataata ctgcacaatg ttgggatggt 480

gtagttgacg gaaaattttg atttcctgga acacagaact ttttagaata acagcctaaa 540

<210> 3117
<211> 291
<212> DNA
<213> Glycine max

<400> 3117

ttaactcgga tgtccgattc aggcgcataa tatatcgaga cacttgatat tgaataacag 60

aagctctcga gaaattcgaa tggtcataac ttttcacacg gatgtccgat tccggcgcat 120

aatatgtcga gacgctcgaa attgaacaac ggaagctctc gaaaaattcc aatggtcata 180

acttttcact cggaggaccg attcacgcgc ataatatatc gagacgctcg aaattgaaga 240

acggaagctc tcgagaaatt caaatggtca taacttttaa ctcagaggtc c 291

<210> 3118
<211> 456
<212> DNA
<213> Glycine max

<400> 3118

agcttctcga tacattatgc gcctaaattg gacattcgag ttaaaggtta tgacaatttg 60

aattgctcta gagattccat tgttcaattt cgagcgtctc gatatattat gaatttgaat 120

cggacctccg agttaaaagt tatgaccatt tgaatttctc gagagcttgc gttgttcaat 180

ttcgagcgtc ttgatatatt atacgccaga atcggaactc cgtgtgaaaa gttatgacca 240

tatgaatttc tccagagatt ccgttgttca atttcgagcg tctagatata ttatgcgccc 300

gaatcggacc tccgtgtgaa aagttatgac tatttaaata tctcgagagc ttctgtcgtt 360

caattccgag cgtgtcgatt tattatgctt cgcaaatttg gtctcgaggt aaaaggaatg 420

accattggaa tttctagaga gctttcgtta ttcaat 456

<210> 3119
<211> 554
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3119

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taatcttatt taaactggat aaataagata attataagtg ataaaactct gtctccaaat 120

atttaacgta attatatatg taagactaat taatctaaaa taactttgca tgattaacat 180

actcagtgct ataacactaa tagtttggta ataactaatt cattgataaa tattataaaa 240

tcatcaatat ttgagagtat tagaataaat tttacttcgt attagaataa aattaattag 300

atgcaaacct attaacgaaa tgctttaact tcaccaaata tgtgattatg aaagcaaagg 360

gtagatggca gaagaaagag caggataaat accatgggac ggtggcattt gagaagtgat 420

tggaaaggaa gcaggggcac ttgtgcggaa ttgactntga aatcttcata attagggcca 480

ctagaagaca taaaattatg atctatcttt gattccaaag ntcgtagttg gtgtgattct 540

gcttacataa tgac 554

<210> 3120
<211> 395
<212> DNA
<213> Glycine max

<400> 3120

tggatgtaga tgacgatatc tatacagatg gatcttatat atctatatat ctatagatag 60

atatatagat gtagatatat agatatagat catacaatga agtaccgcac gagtgggtat 120

ataggaatcc aaatctgccg aatcactcat gttatgatct tctacatcct aggtcttccc 180

gttccttcat ctggcttatg ttcttcatgt agcattcaga ctgaatgact ctatgaaatt 240

acgtcgctac ttccacatgg tacgggtaac gtaggagaca tctctatttt tcctcgcggg 300

aatccttaga attaccacag cttagctgtc aattcgcctc tgaccatcag atgaaatgtg 360

aataacccgt cctcccctct ttgaaacttt gaaac 395

<210> 3121
<211> 217
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3121

accgcttaga ataaagaaca caattatatt tgtcgagaag tgccaaatng tattcatacg 60

atctttgctg cgccgtttga ttaattggaa tgtttcttta tacattccac tacgcacgtt 120

ntgcagatgt gtttccggac attcctttaa catgtcatct aagaaaaaca gttgcttaca 180

ttctatgaat ttttttagaa tactcttttc tttaata 217

<210> 3122
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3122

tctctatcca atcctttgaa gaaacatgca atgtcttaaa aaatgtcctt ttgagaacag 60

tctaagccat cataacttaa ttttaatacc ttatgaattn tcatatttga aatctttntt 120

agttttctca attcactttc tcatgcttct ttacttcttg aacgaaaact tacacccaaa 180

acttttaaag ccaaaggaat acctttgctc taagaaattg ctcttcttga ttgaacctca 240

tatccatctn tagggtgtat ttctccaaaa acagtcaaac agaacaactg aagagaatgc 300

tcagagctca aatcttggac ctgatatatn tcatcaattg ggctaagtat ttgcttgttt 360

ctagttgtaa caatgatcct acttgctggg tgacactc 398

<210> 3123
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3123

agcttgcctt ggcccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60

ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caacttctta 120

tcataagttg aataaggaaa ggcaagacca cttaactttt cactaaaata agcaattgga 180

tggtcttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcgaattca 240

aaagattttt gaaagtttgg caacgcaagt atggnggcat taattaactt ttgcttaata 300

acattgaaag cttcttcttt gttctctccc catctgaaac cacacatttt cttgagcact 360

tcattgagag gtgctgccaa tgtgctaaaa tccttcacaa atcgtctata aaaactttct 420

aagccatgaa a 431

<210> 3124
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3124

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atgcacctga atcggaaatc caagtgaaaa gttatgacca tttgaatttc tcgagggatt 120

ttgttgttca attttcagtg tctccatata tggtgtgcct gaatcggacc tccgcgtgat 180

aacttatgac catttgaatt tcttgagaga tttcgttgtt caatttcaag cgtctcgata 240

tatgatgcgc ctgaatcgga catccaagtg aaaagttatg accatttgaa tntctcgtca 300

gcttccgttg ttcaacttcg agcatctcaa catgtgatgt gcctgaatcg gacctccgtg 360

tgaaatagta tgaccatttt aatttc 386

<210> 3125
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3125

taatgtacta agtcctccaa ctccacataa ttntgcaact ctgcaacatc ccttatatca 60

ctatttaacc catgtagcaa acaagccata gtagcctctc aatcctccgt aacattagct 120

ctaatcatgg aaacctncat ctccttataa tactcatcaa aacttatact accttgtgtg 180

agtctttgta gcttgttatg aaggtttctt tgataatgag aaggaacaaa tcttcttttc 240

atcaacctct tcatttcttc cctactatcc accaagggtt cttcatatct cgccctttcc 300

ctttgtaatt ggttccacca gatgaaagca tagtcagtga attctatggc taccaccttc 360

atctttgtat ccttagtgta attgaggcat gcaaatagcc gctcaattnt catttcccac 420

tccaaatatg cttctggatc actc 444

<210> 3126
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3126

gcttcgacgc tcaatccctg gtgcctnttc cttgttgaat gaagaatctn taaaatcaat 60

tgccaataaa gtgctcaaaa attgtagttt gtcaaaaact tcaatatcta agattggatc 120

actgaactct gtaactgaca aatgacgagt ctttatacca atcttggttt cttttccaag 180

ttcttctgat ctgaaataga attctccacc aaggtataat gctagatcat gcacgagatc 240

atgcattaca aaataattgc cccaagtttg attacttgaa cgttgaaaaa atgatcttga 300

aactaagtca tcaaaatact cgtaaccaac ttctaacgcc tttcctctgt ttggaagctt 360

caaaagatct tcagccatcc acaacaagat caagtccttc tttcgaaatt cataatcttt 420

acggcataat gaacactaaa caaagcaccg ttgtaaatgt ggagggagat at 472

<210> 3127
<211> 296
<212> DNA
<213> Glycine max

<400> 3127

agcttctcga tatattatgc gcttgaatcg gacctccaag tgaaatgtta tgaccatttg 60

aatttctcga gagcttctga tattcaattt tgagcgtgtt gatatattat gcgactgaat 120

ctgacctccg attgaaaagt tatgaccatt tgaatttctc gagagcttcc gttgttcaat 180

ctcgagcgtc tcgatatatt atcctcctga atctgacctt cgtgtgcaaa gttatgacca 240

tttgaatttc tcgagagctc tccctgttca atttccagcg tctttatata tgatgc 296

<210> 3128
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3128

agcttatgct gcaaatatnt acaatagacc tcctcaacct cagcagcaaa atcaaccaca 60

gcatagcaat tatgagcttt ccagcaacag atacagccct ggatggatga accaccctaa 120

cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttcct tccaaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240

acagacaaca gttgaggccc ctccacaacc cttcctcgaa gaacttgtga ggcacatgac 300

tatgcataac atgcagtttc agcaagagac cagacgcttc attaagagct taaccaatca 360

gatgggacaa ttagc 375

<210> 3129
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3129

cctgtcacta tacttgatta tntaaatgtt caattaaatt catttttat agagcatgta 60

tacaccgttg gaaatagatt ttttcagact agatatcatt attataaatg gtttttcaat 120

caaatattta atataattac atattctaat tttaatttga gacctctaat taaaatcaat 180

aattttgatt tattaatata caattaaata tgagaacaat acataaacta gtgattattt 240

tttcttggtt gaaaaaagaa cttatagttt gacattaaaa acctatgaat gggtatacaa 300

taataaaata attaattcta tactttataa taaaagagat atacttaatt actaatttgt 360

aattntatca atttttttatc tatgaattga agacaatgtt aggatttaca attaggatat 420

actttatatg atgttcaatc aattaagtta atc 453

<210> 3130
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3130

nggatttcct cttagtaggg aatgtatcct tcctaagatg gagccaaacc cagtcccgct 60

cattaagaaa tagctccttt cttcctctat tgcctttagt tgcatacacc tttgtttggt 120

tctttatttg gttcctaacc ctctcatgca acttctttac aaactctgac ctagattccc 180

cttcaatatg cataaaagaa gtgccaagtg ggaggggaat tangtctaat ggtgttagag 240

gattaaaccc atagacaacc ttaaaaaggg attgcttggt ggttctatga acccccttgt 300

tgtaggcaat ttctacatga ggaagatacc catcccaaga cttatggttg cctttcagaa 360

gagcccttan aatggtgtat agagacctat tcactacctc tgtttgctca tcagtttat 419

<210> 3131
<211> 299
<212> DNA
<213> Glycine max

<400> 3131

gctggagctg ctgcacatga tgtcccaccc tatgtccaaa aataagatcc ggctgcacaa 60

tgcacaacgc aagatatagt gtcacatgaa caattgcagc ttgccgattc acgatgtcgg 120

atacaatgtg cacaacatcc ctgcccaaaa tactggagtt gctgacagca tctgaaagtt 180

gccgatccac gatgtcggac accatgtcct gcacttcggc ccgacaatac tggacatatt 240

aatctgctat atctttaaca gactattgcg cacgtagcaa gagataacat gatctatct 299

<210> 3132
<211> 433
<212> DNA
<213> Glycine max

<400> 3132

gtctcgcacg atatggcagt ctatttcaat gtgtttagtt cgttcgtgga aaatatggtt 60

tgaggctatc tggatggcgg actgattatc acaatagaga gttgcaggtt gaaggaaggg 120

gaccggaaaa tcatgaagga ggtaggtgag ccactgaagt tcacacgtag tagaagccaa 180

agctctatac tctgcctcag atgaactgcg agagaccgta gattgcttct tggaccacca 240

ggaaattaga gactcaccca gatagactga gaagccagtg atggagcgtc gtgtgtcgca 300

acatcctgcc caatcggagt cactgaaagc tgtgagagtg agtgtacctt gagccacgaa 360

gaagatgcca gaaccaggag ttcctttgag gtaacgtatg acctatatag cagcttgtga 420

gtgcgtggaa gtg 433

<210> 3133
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3133

cttactaacg cacctgttct agctctctct gatatttcta aaattgctga gctagaatgt 60

gatgcctctg gagtgggagt tggagctgta ttgttacaac gtgggcaccc tatttttttat 120

tntanagaaa aacttcatag tgccacccctt aactacccca cgtatgataa agagctttat 180

gccttaataa gagccctcct gacttgggaa cattac 216

<210> 3134
<211> 389
<212> DNA
<213> Glycine max

<400> 3134

agcttgccta ataaacaagg acacaacaag agacatgaat cttataaata taaatataga 60

tacacatgca cggtaaaaaa cttacattat aataagaggt gacaagatca ttataccata 120

tataacatta acataacaac ataaatgttt aattaaagaa aaaactaata tttaataaat 180

tactatcatt attagctatt gctgccttca tttgcgtcta attatttgta ttacttattt 240

tctattcaaa ctaaacctgt tcataacgca ataaaaattc taaagggtca cgcacagctt 300

tctgcactct ctgtctctta cctatttgac agtgtgtata tatatatatg agatacactt 360

ccccccgttt tatgtcttaa aactcccgc 389

<210> 3135
<211> 416
<212> DNA
<213> Glycine max

<400> 3135

agcttgcact cttaggggac atgatgaaag tgtgttatct ggacaccgtg gcaactctct 60

tgaaatgata aagctcttat cttcttataa tacggaaata gatgaaatta tctcggacaa 120

cgcccctcac aatgtaagat acatttcact cactatccaa aaagatattc tatatgtctt 180

tgctagaaag gcgcgagatg aaattcaaga agagatcggt aacgcaaaat tctcgttcat 240

tgttgatgaa gcccatgatg aatctaaaag agaacaaacc actctagctc ttagatctcg 300

cgataagaat ggatatgtct acgagcattt cttggatatg atacatatgc cagatactac 360

atcatccatt cttaagcacg ggatatgtct cctattgcct catcataatc tcaaca 416

<210> 3136
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3136

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ccacattggt acaactccct ccatcaatga tcaccatgca aactttgcca ttgatcaaac 120

atctagtgtg gaaaatgttt tctctttgac tttcctccat agacttcaat tattggccaa 180

gtaaccgcct aatcatcaac aattctccct ccagtgtttt ctccacttcc tgctcatcat 240

cctcactctc ttctcccttt tcaacttcgg actcactaat gtactctcca tctctaagaa 300

tcatggctgt cttgttaggg aactcatatg cataatgttc caagccttgg caccgaanac 360

acttcacatn ctggctc 377

<210> 3137
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3137

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gattccaact ggcaagagct tggtcacctc ctttntcacc acatctagaa tgatggggtt 120

aagtcgtcga tgtggctgcc tcactggctt agctccatcc tctaaaagta tcctatgcat 180

gcaggtagat gggctaatac tangaatgtt tgctaaagtc catccaatag ctttcttgtg 240

cttctggagc actaacaaca acttctcctc ttgctcggca gtaagggagg cagagatgat 300

cactggaaat ttttccttgt cctccaagta agcatacttg aagattgctg gtaagggctt 360

caactctgat gtgggtggtg gctgaatagt gggaggaacc anggtaggag aagaagagga 420

gggttccttc acctgtacct cataaagcaa gtcataagta tatgtacctt ctgcaacatg 480

gttagtgcat tatgactc 498

<210> 3138
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3138

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ccgattcaga tgtccgtaag atgtgcgcat tgntcgattt ccctttctct ctcgttctct 120

tgtttttttg cgtataagcg tgcgtgtgtt gttgcgactg aaagggaggc gtatatgatc 180

tccaagagat ctcctccaag caatgcggag aagtttgagt tccaagccga agtgtcgtgg 240

ctaccttatg gattgtgttc tgccccaaaa accctaatca acagcccatt cacagcctca 300

agggccatca tgggcgacac taactatatc tgtccgctcc acataaataa taattcacga 360

<210> 3139
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3139

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cttgtntcat tttgaccgtc tcgatatatt atgcgcctta atccgacctc cgagtgaaaa 120

gtcatgacca tttgaataac tccacagctt ccattgttca atttcgagcg tctcgatatc 180

ttatgtgccc gaatctgaac tccgcgtgaa aagctatgac catttgaatt actcgagagc 240

tttcgttgtt caatttcgag cgtctccata tcttatgcgc ctgaa 285

<210> 3140
<211> 413

<212> DNA
<213> Glycine max

<400> 3140

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aggcgctgcc aatgtgctag aatacttcac aaatcgtcta taaaaacttg ctaagccatg 120

aaaactcctc acctcggtca cagacttagg tgtaggccat tctagaatac ccctaacctt 180

cttctcatga acttgcactc cttttgaact cacaacacaa ccaagaaaca caacatggtt 240

agaacagaag atgcattttt caagatcgcg atacgagtgt tcttttctga gcacaggaaa 300

gacagagttt aaatgatcaa tatgccaatc aagtgaagtg ctatccataa gaatatcatc 360

cgagtacaac acaacttatt tttctatgaa ctctgtgaag atatggctca tta 413

<210> 3141
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3141

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caatcacagt ctcatagtca actcgattgt tagaagtttt gatattaaac cttaatgatt 120

acttgagtga gatatgtcca ggtccttcaa gggtgattcc tattccacta ccattgaggt 180

tactagctcc aacaacatag agcatacacc aatcacctct gtcactacta ctcgattcat 240

atggaagctc taccatgatg tagaccatac attaagctct aatgggtcct tgtggctagc 300

tccatggacc atgcaaccat tctttcaaca agctctggct tttgaagcac tagtctaata 360

ggatgagtgg tcttgactct gatcaactga ctttggaag 399

<210> 3142
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3142

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gtattctgcc caaggctgac actacattat ctgtctagtt ccaccaacca atgaggttta 120

cattgaccag tctagcctaa caattatgca aaaggggggag aagacccaca tcatttatgg 180

catagacgtt aatcacatta agatgctgaa gtcaagacac aatctgaaca attatgactc 240

ggctagcatt gataaaacca cgtcactttt gaattactaa acgtccaaga gactcgcacg 300

gagaaagcat acacccttтc atatcgatat atttgactcc catgca 346

<210> 3143
<211> 388
<212> DNA
<213> Glycine max

<400> 3143

cctgactcac catatacctt gacccacggt gagaatgcca atccttaccc tcggaagcga 60

aaaaagaata gaggggaaat ttgcgatcaa agaataagag aaggagaatt tccaatgaaa 120

gcataaaaga aatgaaggaa aattccccaa tctaagagtg ggagaaagca aaacaaggaa 180

aagaacgaaa attcctcaat caaagagtgg gagagagcaa aaagaaaaga aaggaaaatt 240

ccctatcaaa gaatgggaga gagtataaca ggaagaagaa gaaggagaga aagctcctga 300

tcaaggatcg aaagaaccag aagaaatgtg cagagaggtc ttgggaccag acaatatctg 360

aacagtacag aattgtcacc aaatgaac 388

<210> 3144
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3144

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tgctgcccaa gtttcatggt cttgcaagag aagatcctta taagcatctt aaggagttcc 120

atattgtttg tttcaccatg aagccccctg atgtctacga agatcatatc tttctaaagg 180

cttttccaca ttcactggag ggagtggcaa aagatcggct atactaccat gctctcagat 240

ccatctccag ctgagatgac cttaagagag tgttgttgga gaaattcttc cctgcatcta 300

tgaccacttc catcagataa gacatttcat gcatcaggca actcattgga gagaacctat 360

atgaatacta ngagagattt aatatattat gtgccagttg ccctcaccac cagatgttag 420

agcaacttct tctccaatat gtttatgaat gactc 455

<210> 3145
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3145

agcttgttnt anaccatata tagatctatc taagcttgca taccatacgc tcagcactat 60

tataggagaa accttcccgt tgcctcatat aaacctactc ctctaaatca ccattaagaa 120

cagctgtttt cacatccata tgctgcttct ccaggacaaa atgagcacct aatgctctta 180

ttatatgaag agaatctttc ttatatactg gagaaaaagt ctctttgcaa tctattgctt 240

ccttttgagt aaatacctta gcaacaagnc ttgccttgta tctctcaatg aagactaatg 300

aatccttttt ggtcttaaag acccatttac atacaatagc ctctcgccca ttacgcaact 360

ctacaacgct acacactttg gtactct 387

<210> 3146
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3146

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accatgtcta caacttgcaa actaagaaac tcttcatcag tcgagatgtt gaagctgatg 120

agtatgcttc ttggaattgg gatgaagaaa aagtggagaa gaatgttctt atacccgctc 180

aactacctca agaagaagtt gaggaagaag acccaggtga accaccttca cctccaccac 240

aacaacaaga tcaagaacta tcatcaccag agtctactcc aagatgagta agatctttgg 300

tggacatata tgaaaccagt agcttggcca tacttgaacc tggaagcttt gaagaagcgt 360

caaagcagga agtatgggtc aaggcaatgg aagaagagat acagatgatc gagaanaata 420

atacatggga gtatgtaaat catccccatg gaaaagatat 460

<210> 3147
<211> 446
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3147

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ctatccatcc ctctattaac taaattaact tccttaagaa taattacgga tgaaaataac 120

gcaacaaata atcaaacatc aaacataatt actaataata tatagatata tatatcacgg 180

tgttacacat catatattga gacgctcgaa attgaacaat ggaagctctc gagacattaa 240

aattgtcata aattntcaca cggatgtccg atcatgcaca tcagatatcg agacgctcga 300

aattaaaaaa acggatctcg agaaattcaa atggtcataa gtttcacacg gaggtccgat 360

tcaagcacat cacatatgga gacgcccgat agtgaaccac ggaagatctc gagagattca 420

aatggtcata acttttcact cagatg 446

<210> 3148
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3148

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gcaacacatt caaaatctga aactgatatt tgtgtttttc cttgtgaagc atagtacaac 120

tttttcaata ttaggcttcc atattccaag tttaaatgtg cattgacaat ctataacaat 180

cactcagtgc tctgataatt ttctttacta attgaaaatg gcaattcttc ttttctaatt 240

tgttggctat atatcttttc tttcgctttt taatttggca gctggcattc ccaaaaggcc 300

ttacttctgc tcctggaaga ccaagggtgg ctccaagcag tccagtcata tttgacgtta 360

gtttggaata tataccggcg cttgaagcgg atgaggagta aaataaggct gtcctttgta 420

cgtgatcagt cttgatttta tg 442

<210> 3149
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3149

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caagtagatc accatgcaga aatgcgttat ttacatcgag ttgatgtaaa aaccaatttt 120

tagctgttgc taacgcaaga actagtcgaa ccgttgtaag tttaacaact ggagaaaagg 180

tctcagtgta atcaacaccc tcaagttgcg tatatccctt ggcaaccaaa cgagccttat 240

acctctctat acttccatct gctttcctct tgatcttata aacccattta gaaccaatat 300

gctgtttacc aaaaggcaag gcagtaagag tccagttttt gttactctcc aaggctgcaa 360

tatctttttt catagcatgt ctccaacaag catgtttcac agctt 405

<210> 3150
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3150

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gattttgatg atgtcaaaag aagaatcaat caaggctcat cttgcttcaa gattaataca 120

agattgtttc aacaaaaaaa gccttgattc aagatttctt caagatcaag ccttgcctca 180

caatgaaagg tttcaagtca ttcaaggcac atgtaatcga ttaccaatac atgtaatcga 240

ttaccaatgg tttgaaagtg tgtaatcgat tacacatcat atgtaatcaa ttaccagaga 300

ctctgaacat tgcgaattca aattntaaat gaagggtcac aactgttcaa gacaaacaat 360

tgtgtaatcg attacactaa ttctgtaatc gattaccaga gaagatttca aggaatatcg 420

ccacagtcac atct 434

<210> 3151
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3151

atgcactatt caatggagtt gacaagaaca tcttcagact gatcaacact tgcacagtgg 60

ccanagatgc atgggagatc ctgaatatca ctcatgaagg aacctccaaa gtgaagattt 120

ccagattgca actcttggct acaaaattcg aaaatctgaa gatgaaggag gaagagtgta 180

ttcatgactt ccacatgaac attcttgaaa tggccaatgc ttgcactgcc ttgngagaga 240

ggataacaga tgaaaagctg gtgagaaaga tcctcagatc cttgcctaag agatttgaca 300

tgaaagtcac tgcaatagag gaggcccaag acatttgcaa catgagagta gatgaactca 360

ttggttctct tcaaaccttt gagctacgac tctcggatag ggctgaaaag aagagcaaga 420

atctggcttt cgtgtccaat gatgaacgag aagaagatga gtatgacctg aatactgatg 480

<210> 3152
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3152

agctngaagc tnggcctgaa tagaatgagc acatgcagca cttgngcaag caagcaaaat 60

gtcatctgca tagaccaaca gaacaaccag ggaagcacct ttgccaatgg tcaaaagaga 120

atagtcattc tttgattgag agaaaccatt agcaattaat gttgttgaga gtttacaaaa 180

ccactgtcta gaagcttgtc taaggccata aatggatttg ttgagcctgc aaacaagatt 240

ttttatcaac tgaagtgtac ccttttggaa gttccatata aacttcctca aatatatcac 300

cattcaagaa gacattatcc acatcaagtt gtaagattgg ccatttttta gcagctgcaa 360

cagccaaaag gactttaact gatgtaagtt tagcaactgg agagaaagta tcagaanaat 420

caatac 426

<210> 3153
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3153

agcttaatca tgtttntaga ttaaaaaagg ctttatatgg cttanagcaa gcccctaggg 60

cttagtatga gcgtctgagt aagttccttt tagaaaagga tttctctaga ggcaaagtag 120

atactactct tttcataaag agaaaattac atgatatttt attagttcaa atttatgttg 180

atgatattat ttttggatct actaatgaat tattatgcaa ggaattctct catgactgca 240

aagtgagttt gaaatgtcaa tgatgggaga acttaatttc tttcttggat tacaaattaa 300

acaaaccaag attcgaattt ttgtcaatca atccaagtac tgcaaagagt taattcatag 360

atttgggatg gaaaatgcta agcacatggc tacaccaata agcactgctt gctatntaga 420

taaagatgaa accggtcagt caatagatgt taagcaatat cg 462

<210> 3154
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3154

tgtttggaac tacaattggt tcctatggac ttntaaatta caaagatagg ttgaaataat 60

tttaatgaaa atgtgaaagg accatataat tttttcgttg ttatatattt ttgctttaaa 120

atatgtgaag gaagaaactt gggctgaaaa ttcaagtcca gatcttgctg tggtaaaata 180

tatgataata atcacgtgac cataagaaag tatatgataa taattaatca agtcttgaaa 240

atcagttttc tcaattaagc atattactaa tatgcacctt tcattgatgg atgataaaat 300

tatggttaaa taaagtttaa ttgttaatnt aaagttagat tattggttgg caattcttaa 360

aatgagactt tgtggtaaag aaagtcttga gttgttcaag tgataaaaaa gctt 414

<210> 3155
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3155

ctcagcttga ggtattaaac tcctatgcta cttataataa ttataacaac gggtttataa 60

tgcttaacta tttaaccaat ctaacattta ataattgaat ttcataaaag aaaaaatagg 120

ttatacaaac agttttatat catcatctaa tcacaatcca acatatatgt tatatttgct 180

gattttatga taattatttt aaaagttata tcaacagtga tttataatta gatagcagtg 240

ttaaattatt ccgtactatt agtgtataat catcactact acaaaaatta tattttaaga 300

tgcgaaatcg atgacgcttc ttaagaaccg tcttaaaatt gaacagaatg gcaattttgt 360

aaataaaana agatatacaa agatgattta taaaaaatcg tttaaaaaat gaatgttaaa 420

gccgatcatt aaaaccgtct taaataca 448

<210> 3156
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3156

agcttatgct gcatatattt acaatagacc tcctcaacct cagcaacaaa atcaaccaca 60

gcagagcaat tatgaccttt ccagcaacag atacaaccct ggatggagga atcaccctaa 120

cctcagatgg tccagccctc agcaacaaca acagcagcct actccttcct tccaaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240

acaaccaaca gttgaggccc ctccacaacc tttcctcgaa gaacttgtga ggcaaatgac 300

tatgcagaac atgcagtttc agcaagagac cagagcctcc atttagagct taaccaatca 360

gatgggacan atagctaccc aattgaatca acaacagtcc cagaattctg a 411

<210> 3157
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3157

agcttgcaaa cgcaatcaag catggcattg tatgacccca cactaagctc aaacccacca 60

cgatacatct caccggcgag cctttgagct tcatcgagct tcccatcaac gcaccaccct 120

ttgatcaaca tatcacacgt ggcttcgtcg gggaaaaaca ccttcgccaa atccttaacc 180

atttttttccg cgtaactagc gaaacccttc gaacacagct tctccacgac cacttttaag 240

gaagcacgat cgcgcttcag cccgtagtct ctctccattc gctcgaagaa ctgaaccgcc 300

tggctggggc ggcccgcgcg gacgaagcgg tcgatcgcgg aggctanggt tttggggccg 360

gcggcggngg aagcggcgga gaggacgtca tgcgtggcct tgaagtcctt acggcggcca 420

aagtagt 427

<210> 3158
<211> 423
<212> DNA
<213> Glycine max

<400> 3158

agcttatgaa acctacagaa aacatgatat aatatgtcaa aataagacaa ttgtatgatt 60

gtcgaaaagg aaattaaaaa aaaaaaaaaa aaaactaacc atgttggatg gcatgtgctt 120

aaatctgtga taactgtagt aaaaacaatc ttctttaaaa gacccttga ccttaaaatt 180

cgaagtggaa cgtgctgcat cagtggatgc acactgatta ttatatctgg ctgatatttc 240

attaggcctt tggcaacctc gctgtaaaaa gagaaaagat attttaacta tgacatgtga 300

tgttacattg tatttgagaa gagatacgca tgcacaagaa agtattttct gaaccatgga 360

atgcagaaaa agtcaataaa ttgtgtctaa tattaacaca atgcacaaca aacattgcta 420

gct 423

<210> 3159
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3159

agctntaact taagtgttag atcaagtggc ctcaaaataa ttaagaaggg ggggttgaat 60

taattattaa tgaaccttga ctaattaaaa tttacccttc ttaggctttt actatgttgt 120

taagaaagta aagaacagaa atataaactt aaccaaaagt aaaaacggta attaaagtgc 180

acagcggaaa ttaaaagagt agggaagaag aagacaaaca cacaagagtt ttatactgat 240

tcgacaacaa cctgtgccta caagcaacct gcggtccttg agatttcttt tcaaccttgt 300

aaaatccttt acaagcaaag atccacaagg gatgtaccct cccgtgttct ctttgaacaa 360

cctagtggat gtaccttcca ctaganatga tccacaagag atgtaccctc tcttggtctc 420

agtcacaaca acccaagaag atgtaccc 448

<210> 3160
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3160

tatacgggct aggatgtggn tntgtgatta aattcaatta agactcaagt cttgcacttg 60

ccacattggt acaactccct ccatcaatga tcaccatgca aactttgcca ttgatcaaac 120

atctagtgtg gaaaatgttt tctctttgac tttcctccat agacttcaat tattggccaa 180

gtaaccgcct aatcatcaac aattctccct ccagtgtttt ctccacttcc tcctcatcat 240

cctcactctc ttctcccttt tcaacttcgg actcactaat gtactctcca tctctaagaa 300

tcatggcttt cttgttaggg aactcatatg cataatgttc caagccttgg caccgaanac 360

acttcacatc ctggctctt 379

<210> 3161
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3161

ntgagcanat tcaaacgaca ataactntnt actcggatgt ctgattgagt cccgtaatat 60

atcgagacgc acgaaattga ttacagaagc tcttagcaaa ttcaaaagac aataactttt 120

tactcagatg tctgatagag tcccgtaata tgtcgagacc ctcgaaattg aatgttgaag 180

ctctgagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgagac gctcacaatt gaatgttgaa gctctgagca aattcaaacg acaataactt 300

tttactcgga tgtctgattg attcccgtaa tatgtcgaga cccttcgaaa tgaatgctga 360

aggtctgaga acatcaaacg acaataactt tatctcgatg tccgatg 407

<210> 3162
<211> 436
<212> DNA
<213> Glycine max

<400> 3162

agcttcaaca ttcaatttcg agggtctcga tatattacgg gactcaatcg gacattcgag 60

agaaaagtta ttgtcgtttg aatttgctca gagcatcaac attcaatttc gagcgtgtcg 120

atatattacg ggactcagtc agacatccga tttaaaattt attgttgttt gaattttctc 180

cgaccatcaa cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcttt tgaatttgct cagagcttca gcattcaatt ttgagcgtct 300

cgatatatta cgggactcaa tcagacatcc gagtaaaaag ctattgtcgt ttgaatttgc 360

tcagagcttc cgtattcaat ttcgagcgtc tcgatatatt acaagactca gtcagacatc 420

cgagtcaaaa gttatt 436

<210> 3163
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3163

agcttcaacg gagtgttcgg gtttatgtgn gaatattcat tcactgcata tcgtagcttt 60

ccattaatta tggctataga atttgccaac acatgtgttc tttgaacagg gatggtttca 120

tagtggaatg agccctgagg attcggtcga gctgcatttg ctgtcaaatt cagtcttcag 180

aacaacacaa tagaacacag tcagagccaa tgatcacaag atccccaatt attttttttt 240

ttgtttatag gtaagaatca aaaaattcat aaaactgata cacattactg aattaactaa 300

gaaaatatgt tctatttacc ttctaatata aatgtttaaa cattataaac ttaacaatgt 360

catatttcca tttcattttt atttttatat taaatatata aataaagtaa caaacgtata 420

tcnttttact attctatata 440

<210> 3164
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3164

agctngaagg taaactacat gccttggtta acctggtaac ccaactgtgt tggatcaatt 60

ggtctcagaa taattaagaa ggggggggttg aattaattat tactagacct ttactaatta 120

aaaattacca ttcttaggat tntactatgt tgttgagaaa ataaggaata gaaaagaaac 180

ttaaccaaaa gtaaaagcag gaattaaagt gcacagtgga aattaaaata gtagggaaga 240

aggagacaaa cacacaagag ttttatactg gttcgacaac aacccgtgcc tacatctagt 300

ccccaagcga cctgcggtcc ttgagatttc ttttcaacct tgtaaaaatc cttttacaag 360

caaagatcca caagggatgt accctccctt gttctctttg aacaacctag tggatgtacc 420

cttcactaga actgatccac aagagatgta ccc 453

<210> 3165
<211> 214
<212> DNA
<213> Glycine max

<400> 3165

caatttcgat cgtctcgata tattacgggt ctcaatcaga catctgagga aaaaagttat 60

tgtcgtttga atttgctgag agcttcaaca ttcaattttg agcgtctcga tgtatttcgg 120

gacttaatca gacatccgag ttaaaaagta ttggttgttg aatttgctga gagcttcaac 180

attcaatttc gagcgtctcg atattttacg ggac 214

<210> 3166
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3166

agctntgagc taattcaaac gacaataatg ttttgctcgg atgtctgatt gagtcccgta 60

atacatcgag acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgtcaataac 120

tttttactcg gatgtctgat tgagtcccgt aatacatcga gacgctcgaa attgaattct 180

gaatctctga gctaattcaa acgacaataa ctttttactc cgatgtctga ttgagtcccg 240

taatatatcg agacgatcga aattgaattc tgaagctctg agctaattca aacgacaata 300

actttttgct cggatgtctg attgagtccc gttatatatt gaga 344

<210> 3167
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3167

ngaaggcaaa ctggatgcat tggttaactg ggtaacccag ctggccttga atcagaaatc 60

tgtacctgtt gaagggtttg tggtttgtgc tcctctgctg accaccatac aaacctttc 120

ccttccatgc agcaacctgg agcaattgag cagcctgaag cttatgctgc aaatatttac 180

aatagacctc ctcaacctca gcagcaaaat caaccacagc agaacaatta tgacctttcc 240

agcaacagat acaaccttgg atggaggaat caccctaacc tcagatggtc cagccctcag 300

caacaacaac agcagcctgc tccttccttc caaaatgctg ctggcccaag cagaccatac 360

attcctccac caatccaaca acaacaacaa ccccagaaac aaccaatag 409

<210> 3168
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3168

gatgcatcct aaacctttcc accactttct tgaggtaatt gctttgggat aggaatagtt 60

caccctttgc tctatcccta tgaatatcaa tcccgagtat ccttctagct gaccctagat 120

ctttcatctc aaattttgtg ttcaagcttt ctttgagttt cctaatctct tccttattag 180

cactcgctat gaggatgtca tccatataca agataaggta gataacacac actctccccc 240

ttttcaggat atatacacan gtgtcatatc tggttctaat gaagccatat ctgattaaga 300

actcatcana tntcaagtac catattcgag ggctgtgctt cagtctatac aagaaatntt 360

tcagcaagca caccttggtc tcccctt 387

<210> 3169
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3169

agctnggtca tgctaccttg aggttaatat caaagcttca aaagtatagc ctcataagag 60

gatttccaaa gttgtcatat caaaatgatt ccctttgtga agcttgccat aaaaaggaaa 120

caagtaaaat gttcgtttaa atccaaacat attgtttcca cttttaggcc tttagagctc 180

ctacacattg acctatttag accaatcaag actgcatccc tctttggatg catatatggt 240

ctggtcatag tgaaagatta ccccagatag gcatgggtca ggtttctaac ccacaaggat 300

gagtctattg atacctttta taaattcaga aaaaagaatc agaatgaaaa aggtatttat 360

atctcttcaa tcagaagtga tcacggngga gagtttgaaa aaaattatga agagaatgat 420

attcacccct atttttccac tccaagaaca ccacaac 457

<210> 3170
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3170

agctngccgc cacggagttn tccgactatg ctcttgtgtg gnggaacaag ctacaaaagg 60

agagagcaag aaatgaagag ccaatggttg atacatggac tgagatgaaa aagatcatga 120

ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcacaaag 360

caatccaagt ggagcaacaa ttaanaagga agggagtggc taagaggagt tctaccaact 420

ttgat 425

<210> 3171
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3171

agcttggata ttcttttagc atggaatcta ttcttcctaa gatggagcca aacccagnca 60

ccctcattaa gaactagctc tgttctttct ctattgcctt tagttgaata cactttcgtt 120

tgggtctcta tttggttctt aaccctctca tgcaacttct ttacaaactc tgacctatat 180

tccccttctt tatgtataaa acaagcttca agtgggaggg gaatgaggtc taactgtatt 240

aggggattga acccatatac aacctcagaa ggggactgct tggtggttct actaaccccc 300

ctgagtcggc aaattctaca tgatgaagat actcattcca 340

<210> 3172
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3172

tatgatatta taaggaattg tgttgctaaa gtatcatgtt ttcaaagctg ccatgttaag 60

tttgggagta aacaagccaa tcaagttgtc cacaccttag atacgacatc tagatccttt 120

gcttgtccgc attattttga tcatagccca atatgtattg actcttttat tattggtgat 180

ttaatataat tatattgctt tcaaaaaaag tttaaaacgt taattaatat gatataagtt 240

tatcaccttt aagataactt agttaaaaag cctattttgt aacaagctct aagtaaaaca 300

taaatttatc attcaatagg cttatatgtt tgactcttat tgtagtcaac atttgaaata 360

tntttaacag gtaaaaaaat gtatacttct gatacattca tataatctaa tatgatgatg 420

atgatgatga tgataaanat atatgataat catta 455

<210> 3173
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3173

agctnttcct cttttcttct cgagcaatag cctctgtttt tctttatctc gatagctact 60

gcacctaatg tgcagatctg tgcatggtga ttttctagtt caagcttgat ttgtgacatg 120

gtatcagagc tcttcaaaga gctctgctgc gcaatcaaga gaagtttccg aagcaattta 180

tgatttcttc acctctgttt tgagtttcat ctggctttga tcttcgattg tggcaatgag 240

tgaaagagat acacatatcc cagccataga cagcttcctt tacttgcatc caagcgagaa 300

tcccgcggtt tcgcttgtat ctccagttct tgattccaca aattatcact catggagcag 360

atcaatgatg attgctctga gtgccanana taaacttgag tttgttgatg gaggagcagc 420

tgagccattg aaattga 437

<210> 3174
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3174

gagaagatga gtggagggag agggagagaa gngcacggaa ttntgtgcct canaaaaggt 60

ctgcactttg aagtataatt ctcaaatgat caaagttgaa aaaatgcaca cacatgacct 120

ctatttatag cctaagtgtc acacaaaatt ggagggaaat ttgaattttt attcaaattt 180

cagttgaatt tgaaattgaa tttgtggagc caaaatttta ctaattatga ttagtgaatt 240

ttagctatgg ttcagcccac taattcaaaa tcaagtccaa gattctccac taagtgtgct 300

taggtgtcat gaggcatgta aagcatgaag tacatacaca aagtatgact atatgatgt 359

<210> 3175
<211> 430
<212> DNA
<213> Glycine max

<400> 3175

agcttctaga gtagtataat gaagtcggct atgatgagga gttaatatct gacctccaat 60

actaaatgcc gattcaaaag ctacagtgga gatcggaata gctaacacat cccttgcaat 120

tgcttgtagt gttggataca ttagctcgtt caatttccac cacattaaga tatcaaaatc 180

tgaatttctt ggtaaaactt catcctctaa gtaatgatcc aacttcgttt tcatagttga 240

ggttcttgcc ctttctttct ttcaatgtat ctatcataat cacacaattt actctttcca 300

tcactaacca catctagtga ttcaaaagaa ctagtagaat ctggatgctt tttggcttga 360

tattccgaaa taaaatcata acacaagttt cggatcctat taacttgtga aaaataatcc 420

atgggataaa 430

<210> 3176
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3176

cgagatgatg cgctccatgt atgttggatc aaatggagaa tagagatcat aatgaagaat 60

aaaggaggag aagagggaat gatggtgttc ctatacaaaa ccgaattgat ggtattaaac 120

tcaacattgc tccatttaaa ggaaagaatg atcccgaggc ctacttggag tgggagatga 180

aaatagagca tgttttctca tgcaacaact atgangagga ccaaaaggtg aagcttgcca 240

ccacggagtt ttccgactat ggtcttgtgt ggtggaacaa gc 282

<210> 3177
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3177

agctntgagc aaattctaac gacaataact ntttatcttg gatgttcgat aaagtcacgt 60

aatatatcga gtcgctcgaa atagaataca gaagctgtga gaaaattcta acgtcaataa 120

ctttttactc ggatgtccga ttgagtcacg taatatatcg agacgcccga attcaatac 180

agaaactctg agcaaattct aacgacaata atttttttact tggatgtcca attgagtcgc 240

gtaatatttc gagacactcg aaattgagta cagaagctct gaggaaattc aaatataaat 300

acctttttgac tcggatattc gattgagtcc cgtaatgtat cgagacattc gaaattgaat 360

acagaagctg tgagcaaatt ctaatgtcaa taactttcta ctcggatgtc cgactggagt 420

actttatata tcgagacgct cgaaattcaa tacagaagc 459

<210> 3178
<211> 377
<212> DNA
<213> Glycine max

<400> 3178

acacttcaaa ctaagcttgc aattgccaac ggaagctctc gaaagattca aatggtcata 60

actcttatct cggaggtctg attgaggcgc attatatatc gagacgctcg aaaatgaaca 120

atgggagctc tcgagcaagt acaatggtca taacttttca ctctgaggta caatataggc 180

gcataatata tcgagacgct ctcaattgaa caatggaagc tcttgagcaa ttcaaatggt 240

cataactttt cactcggatg tccgattcag gcgcataata tatcgagacg ctcgaaattg 300

aacaacggaa gctctcgaga aattcaaatg gtcataactt ttcactccga ggtccgattg 360

aggcgcataa tatatcg 377

<210> 3179
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3179

tctagagatt aagactatgc tttcgagttc ctctatggga tntttatatg ggtcgggttt 60

ctacagttga ttctgcccgg cgaacagtgg tggaatttct ccgccgccac tgttttgtta 120

gatctgagat ttgggaattt ttggattttt ttaatgataa taaatataat gacggtaaag 180

aatcgtcttt actcgttatt aaaagaagct tcttcacacc aacgaaacca tggcttccgt 240

gtacagctgt acggactgcg gctccaacct gaatttgaac tccgtttatg cgtaccctcc 300

ggacttctac atcgaagccg gcaacaaggg ctccgtctnc ttctccgccg tcgacgccac 360

caagttcaaa ttcgacaagg aggacaagaa tcgtcccttc ttcgaaaccg tcaactac 418

<210> 3180
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3180

agcttcacac ttgcaagaag gtttgccatg ccttatatat gagcataatn gggcttcaca 60

ccaaacacat cagtcatctg tttgaagtaa gacctcccct catccaacat ctctgcccga 120

gcacacgcac agagaacacc aatgaaggtt acttcattag ggagcaatct cagagtctcg 180

tcactctcaa ctccatgttt catcttcccc atactgatca ttacttcaaa caggtcgagt 240

ccatcttcag gactcccacg aatgcagtgc cccaagatca tcatattcca cgataccaaa 300

ttcctttctc tcatcctctc aaacactatc tgcgcaacct ccaccttcct acacttacag 360

tacatgccaa tcaatgccgt atcaagaatc aaacttgacc tcaatgacat cctaacaatg 420

ctcccatgaa actga 435

<210> 3181
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3181

tatctgactc anacgaggct ggatagactt ctcgtatctg actctctagt tcccatgtgg 60

cgtcttctcc taatgcacct ccctagatca acttgactaa tggattctcc ttctctctta 120

agtgctttgt tcgcatatcc tcgatcctca aaggcaatgt ttgatatgtc aagttctcct 180

tcacttgtat gtcatccaat ttgatcacat gagatggatc atggatatac ttacgagtta 240

agacacaaga aagacattgt gaagattaga aagagacggn ggtaatgcaa tttggtatgc 300

catgggactg actctttntg agaatttgga aaggaccaag aaaatgaggt gtgagttttt 360

gggatttcaa tgctcgacca acccaagtnc acggagtgac tctagagaat acatgatcac 420

<210> 3182
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3182

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agaagcaatt gatctcgttg ataagtgcat tatggaaatc agatccaggc ttgttgttgc 120

gccgcccaac tttgttatta aaatcgtgga caaggatggt gcaagagagt acgcatggcg 180

tgagtcagtc aaggatactc ctgttccttc agcttgagta actctttccc taattntcgt 240

tggacttctt tctttctatt tgcccatgct tttgtcttgc tatagttntt tttactggtc 300

ttggaatgtc tctgaaaatt atggtctata gatgctctaa agtaagacag tttatcattn 360

gaatttaata tgcatga 377

<210> 3183
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3183

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cttattttgc ttcaagaata atacaagatt ggttcaacaa acaaagcctt gattcaagat 120

ttcttcaaga tcaagccttg cctcacaatg aaagggttca agtcattcaa ggcacatgta 180

atcgattacc aatgggttga aagtgtgtaa tcgattacac atcatatgta atcgattacc 240

agagactctg aacgttggga attcaaattt taaatgaagg gtcacaactg ttcaagaaaa 300

acaactgtgt aatcgataca ctaattctgt aattgattac cagagangaa tttcagggat 360

atcgccaaca gtcacatctt atcatttgaa ttntgaatgg ccatcnaggc ctatatatat 420

gtgtgac 427

<210> 3184
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3184

agcttctgtt ttcaattacg agcgtctcga tatattatgg gactgaatcg cacatccgag 60

tcaaaagtta atttcgtttg aatttgctta gagcatctgt tttcaattac gagcgtctcg 120

atatattatg ggactgaatc gcacatccga gtcaaaagtt aatttcgttt gaatttgctc 180

agagcttctg ttttcaattt cgagcgtctc gatatactac tagacacaat cggacatccg 240

agtcaaaagt tattgtcgtt tgaatatgct cagagcatct gttttcaatt acgagcgtct 300

cgatatatta cgggactcaa tcggacatcc gagtaaaacg ttattgtcgn tggaatttgc 360

tcagagcttc tgttttcaat tacgagcgtt ttgatatatt acgggactca atcgga 416

<210> 3185
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3185

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agaagaatgt ggcatttacc tgnggtgaaa aacaagagca agcctttgct ttgctcaaag 120

aaaagcttac taaggcacct attctagctc ttcctgactt ttctaaaact tttgagctag 180

aatgtgatgc ctctagagtg ggagttggag ttgtattgtt acaaggtggg caccctattg 240

cttattttag tgaaaaactt catagtgcca cccttaacag gggggttcat agaactacca 300

agaagtcccc ttctgaggtt gtctatgggt tcaatccctt aacaccgtta gacctcattc 360

ccctcccact agacacttct tttatacata aagaagggga atctanggtc aaagttgtaa 420

agaagttgca tg 432

<210> 3186

<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3186

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tatattcacc aggaaaacat tgttgtggaa ggaaatggta gtgttgtgat tcaaaagatc 120

cttccaccca agcataaaga ccctgngagt gtaaccattc cttgttcaat tggagaagtc 180

actgtgggaa aagctcttat tgacctgnga gccagtatta acttaatgcc actctccatg 240

tgcagaaggt ttggagagtt ggagatcatg cccactacga tgactttaca acttgttgac 300

cgctccatta caagaccata tggagtaatt gaagatgtgc tggtcagagt aaaacattnt 360

atcttctcgg caaactttgt ggtaatggat atctgtgaag atactgacan ttctgtaata 420

ttgggaaggc cattttcatg taact 445

<210> 3187
<211> 440
<212> DNA
<213> Glycine max

<400> 3187

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actatcgcat aatttctggc gctaaactgc tgggagttgg aagccatctt ctcaattaaa 120

tttttggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180

cttttctcca tattactgag tctttcataa aaatattgga gaagcagctg ctttgaaatc 240

tgatggtgag ggcaactagc acatagtttt ttaaatctct cccagtattc atacaggctc 300

tctccactga gttgtctaat acctgagata tccttcctga tggttgtggt cctggaagca 360

gggaaatgtt tttctaagaa tactctctta aggtcatccc agctcgtgac agaccttgga 420

gcaaggtaat acagccagtc 440

<210> 3188
<211> 439
<212> DNA
<213> Glycine max

<400> 3188

tccttgagaa aattcctaaa gaagctagag cttagctaca cacacctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagagc ttagctacac acccccctata atagctaagc 120

tcacccccat gacaaaatac atgaaaatac aaaaaagtcc ctactacaaa gactactcaa 180

aatgcctcga aatacaaggc taaaacccta tactactaga atggccgaaa tacaaggcct 240

aaacaaaggt aaaatctatt ctaatattta caaagataag caggctcata cttagcccat 300

gggctcgaaa tctaccttaa ggctcatgag aaccctaggg ccttcccttg gatctctggc 360

ccaatctact tggagtcttc tatccaatgc ccttgcggga tatgaatgga tcattcctcc 420

cttcttctca ttctctcta 439

<210> 3189
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3189

agcttggatt tctttgctcc gganacctct cctttctcat gtgaacacaa acccaatctt 60

cggattggaa aacaaccttt ttgctcccct tgtttgctta tctagcatag ctctcattcc 120

tcttttcaat ttacgccttg actatttcat ggagcttttt cacatagtcc gctttggatt 180

gtccttcctt atgcttaaaa actgaaatat tagacattag taacaaatca agagcagtta 240

gtggattgaa accataaaca acctcaaaag gagaacaact agtggtgcta tgcacaaccc 300

tattataaga gcaaactttc caattcttaa gattctattt caaaacgatc cttagcaagg 360

tacccacaag tctattcacg acctttgttt gtccatccat ttgagggtga caagtagtag 420

aaaatagtaa cttagtaccc aacttttccc ata 453

<210> 3190
<211> 151
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3190

agcttataat atatcgatac gctcganata aatatctgaa actctcggga aatttaaata 60

gtcataacta ttcacacgga tgtccgattc cgcgcgcata atatgtcgag aggctcgaaa 120

tcgaacaacc caagctcttg agaaattcaa c 151

<210> 3191
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3191

agcttgttat atggacttgg ggaaggttac tctacctgcc attgacaaca tataagccta 60

ccacgagctc aacttactat tgactgtatc gaggataaaa tcaaatgtat gattagtaaa 120

tttcttgtca agaattgaaa tccgggtact tatctaagtc ctcgatttac ttaaatccac 180

ttggcaccac tatatcctac ttgacttgcc agctaacatt attatagaaa aagatgcggg 240

attattcatc actctcttta gcttcagaac tatcacaaaa caatctaagg gtcaacttga 300

tggcatctat ctaatccgtc gaggcttcaa canatagcag aatatcattc gcaaagacaa 360

ggtatgaaat tacgagcccc cttttgttta actggatggg tttccaagct ttttggttga 420

t 421

<210> 3192
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3192

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ctgcacataa ttccatcaca acatgaacag ccacggcatc ctcatatgca cctttgatgg 120

atataacatt angatgcccg gccaagtggt gcattatctg aatttctctt ctcacatcct 180

cgacatcatc atcggtgacg agcttcctct ttgcaataga tttgcaggcg cactccagcc 240

ctgttgcctt ttccacgcac aagaacgttg tcccgaactg accctgtcca agttttctcc 300

caagagtgaa gaactccttg aaattatcgg tctctctttg caacacagaa tcaacacgaa 360

gccctgcgct agaaactctc ttcactgaac cacgtttctt ctgtttcttc ttatcct 417

<210> 3193
<211> 401

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3193

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gctatgtttc tagaggaatc agcaagtccg tcaacctatg tttatcagac ttcaaagcct 120

tgggagacca ttntgtacct ctccaaccaa tataatcaag tgtaagcttc aagtattgtt 180

ggttgagtta taaaagggaa gaagaaatta tgattagatg gaagtctcct gaagctgggt 240

ggtttaaact taattctgat ggttcagtgc atggcaacaa tgggcctgca agttgtggag 300

tcattacaga tgataggggg agatggtgtt gacgctttgc taaaaagcta gggaggtgtt 360

ctgtcttcat tgcggaattg tgggggggtta tcaatgagcc a 401

<210> 3194
<211> 340
<212> DNA
<213> Glycine max

<400> 3194

agctatgaaa agcattgggc gcctcctaat ttatttgtaa ttcatctatg gtgggtatgg 60

ggaatctatc cttgacagtg atcgtgttca gagcgcggta atccacgcag aactgccatg 120

tgccatcgaa tttacggacg agcaacaccg gcgacgagaa tgggctcgtg ctgggtttga 180

tgagcccttt ctgcaacatg gagtccacct gagcttctat ctcttgcttc tgatagtggg 240

ggtagcgata tgggtagacg ttcaccggca atgagtgggg aaaaagatga atatggtggt 300

tcctccctct tgccggaggc taggtttgac gctgatggaa 340

<210> 3195
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3195

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agtagggcac taactgaaat taaatngaat ttgaatttag gaatgtaagc aacattatgc 120

aagactaagg tgttggttaa acaaactgaa ccaatggcaa gaatgggtat aatgtcacta 180

ttaggtagag ttacagtttt atcataaaca agctaataag atctaaaatg atgaagagag 240

caagtaatat gaatgcttgc accagaatct aaaagccaac aatcatgaag aaaattggaa 300

gtggaagtag aaagaatcat accacttatg gaagaaacat catgaagaat gacaacattg 360

gtagcatgac tt 372

<210> 3196
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3196

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cgaatgggtt taggcaaaga caacggcggc attgttagac aagtggcctc agatatctta 120

agaaaggggg gttgaattaa gatattccan actgtttccc ctaattaaaa atctatttca 180

ctttttactc aagttatgaa ttcccttaat gacaatcttc ttaaatatta attcanatga 240

agcaactnga atatgaatat aaagcaataa taaataaagg agattaaggg aagagaaaat 300

gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtncag tccccaagca 360

acccgcttga gagttccact atcttgt 387

<210> 3197
<211> 203
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3197

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tattataagc atgaatcgga cctacgtgtg aaaatctatg accatttgaa ttatttgaga 120

gcttccgttg ttcaatttcg agcgtctcga catattatgc gcctgaattt gacttgcctg 180

tgaagggtat gacccttga att 203

<210> 3198
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3198

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agttattgta gtttgaatat gctcagggct tcagtattcc atttcgagcg tctcgatata 120

ttactggact caatcagaca ttcgagtaaa aagttattgt ctgttgaata tgctcagagc 180

ctcggcattc catttcgagc atttcgagat attacaggac tcaatcagac atccgagtaa 240

aaagtgattg tagtttgaaa ctgctcagag cttctgtata aattagcagc gtcatgaatt 300

ttactggact caat 314

<210> 3199
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3199

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atatatcgag acgctcgaaa ttgaataccg aagcgctgag caaattcaaa cgacaaaaac 120

tttttactcg gatgtctgat tgagtcccgt aatatatcga aaagctcgaa agtgaatgtc 180

gaagctctga gcaaattcaa acgacaatca acttttactc cgatgtctga ttgagtcccg 240

taatatatcg agacgctcga natggaatac cgaagctctg agcaaattca aacgacaata 300

actctttact cggatgtccg attgagtccc gtaatatatc gaaacgctcg aaatggaatg 360

ttgaagctct gagccaatcc aaacgacaat aacttttac tcngatgtct tgatgagtcc 420

cgtaatata 429

<210> 3200
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3200

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ctgcacataa ttccatcaca acatgaacag ccacggcatc ctcatatgca cctttgatgg 120

atataacatt aggatgcncg gccaagtggt gcattatctg aatttctctt ctcacatcct 180

cgacatcatc atcggtgacg agcttcctct ttgcaataga tttgcaggcg cactccagcc 240

ctgttgcctt ttccacgcac aagaacgttg tcccgaactg accctgtcca agttttctcc 300

caagagtgaa gaactccttg aaattatcgg tctctctttg caacacagaa tcaacacgaa 360

gccctgcgct agaaactctc ttcactgaac cacgtntctt ctggttcttc ttat 414

<210> 3201
<211> 165
<212> DNA
<213> Glycine max

<400> 3201

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gggcataact tttcacccgg atgtacgatt ctggcgcata atatgtcaag agtgtcgaaa 120

ttgaacaacg gaagctcttg agaaattcaa atggtcatta ctttt 165

<210> 3202
<211> 355
<212> DNA
<213> Glycine max

<400> 3202

agcttataat atattgatac gctcgaaatt aattctcgga agctctccag aaattcaaat 60

ggtcattact attcacacgg atgttcgatt atggcgaatc acatatcgag acgctcaaaa 120

ttgaacagcg gaagctctcg agaaattcaa atggtcataa cttttaacac tgagttccga 180

ttcaggatta taatatatac agacgctcga aattaaacat tggaaggtct cgagacattc 240

aattggttat cacttttcac acggatgtcc gattccggcg cataatatgt cgacacgctc 300

gaaattgaac aacggaagct ctcgagatat tcaaatggtc ataacctttt acacg 355

<210> 3203
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3203

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cctgggtgtg gggcatcaag gtacaatggt gaagatgatg angactgcag ttctgatgaa 120

aactcaaaga agggccctcc agcgaaggag ttgtggtatc ttcccatcat tccaaggttt 180

aagtgtcttt ctgctaatga ggacaacaca naagacctta cctggcatgc aaatgggaga 240

aactctgatg gaatggtctg tcatctngac tgatgctccc agtggaagaa gaatgat 297

<210> 3204
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3204

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cgcaagggtc tgtggtttgt gctcctctgc tgaccaccat acagaccttt gcccttccat 120

gcagcaacct ggagcaattg agcagtccga agcttatgct gccaacattt acaataaacc 180

tcctcaacct cagcagcaaa atcaaccaca acagaacaat tatgacctct ncaacaacag 240

atacaaccct ggatggagga atcaccctaa tcttagatgg gtctaccctc agcaacaaca 300

acaggagcct tctccttcct tccaaaatgt tgttggccca agcagaccat acattcctnc 360

accaatccaa caacagcaac agccccagaa a 391

<210> 3205
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3205

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gctcacctcc ttgagatgag aagctatagc ttagctacac acaccctata atagctaagc 120

tcaccccatg acaaaataca tgaaaataca aaaaaatccc tactacaaag actactcaaa 180

atgcctcgaa atacaaggct aaaaccctat actactagaa tgaccgaaat acaaggctca 240

aacgatggaa aaacctattc taatatttac aaagataagc gggctcacac ttagcccatg 300

ggctcgaaat ctaccctaag gctcatgaga nacctanggc cttcccatgg atctctggcc 360

caatctactt ggagtcttct atccaatgcc cttgcggggt aggatngcat caatntatcc 420

ctaaccagtt caaccactta atccaaccct annnataaat a 461

<210> 3206
<211> 259
<212> DNA
<213> Glycine max

<400> 3206

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ttcacccaac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120

gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc 180

atatcagcta gatctatgtg tgtggctgtg tgtgtatggc tgtgcgtgtg tgcttctgtg 240

tatgtgtgtg tgcgtgtgt 259

<210> 3207
<211> 267
<212> DNA
<213> Glycine max

<400> 3207

agctctgtgc tcaatttcca ctggaagatg acatgccttt ccaaagacaa cccgataagg 60

agacattcct atgggtgctt tgtaggcagt ccgatgtgcc cagagagcat catcaagcct 120

ggtactccaa tctttcctgc ttggctgcac aatcttctct aaaattcgct tgatttctcg 180

gttagaaatt tctgcctgtc cattggtctg ggggtggtat ggtgtcgacc ccccccgcct 240

ccccccttact ctctccacaa atcctcc 267

<210> 3208
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3208

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atattggtaa tcgattacca gtgtatctga acgttgaaat tcaaattcaa ttgtgaagag 120

tcacatcttt tcataaaatg ctttgtgtaa tcgattacat ggttttggta atcgattacc 180

agtgacaagt tttgaataaa aatcaagaga tgtaactctt ccaatggttt tcttaagatt 240

ttctcaaggt tataactctc tcaatggttt tcttgaccaa acatgaagag tctataaaag 300

ccagaccttg acttgcattt tatgtacttg atataactct tttcacaact ttttgaacat 360

cttcttaaac ttcttcttc 379

<210> 3209
<211> 396
<212> DNA
<213> Glycine max

<400> 3209

agctctagga attatattct ggagcactta tcctttcaag gatctcatac tcacacaata 60

attattgcac aacccaaaat tctataatat taactatctt ccaaacgtta gctatcttta 120

ctagtgactt tccaaggtat gaaaaattga aatgttacat tacttgatgt tttaaaatga 180

aagtgattgg actacaaaaa tattctacaa tataaaaaat agattgcatc tcataaaata 240

taattcacaa caaaattttc taatttaaac tttcataaca tggaaagcta tttcattgaa 300

tacattcaat ttggtgctcg acttccatct tatggcaaaa atctaaagtc aagtattatg 360

gaaatttgta caatattttt accaaataaa taaatc 396

<210> 3210
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3210

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aaagaataaa cgtaactgaa tcaatggaag gcaaaacaat ccaatgatga tngaataacc 120

actagtaaaa ataattggga gaaaaacaag tacaaactca caattattgc tcttccaaaa 180

gcaccagcac tgacataagc ccatgttcct ggaagcatcc ccaaccaact gcataacaat 240

tatcagttnt aagacagana ttcacgagaa ctatatgtng tcanatgcag ttccagataa 300

tcatactggg atagttccaa atagatacac gacanacata tg 342

<210> 3211
<211> 331

<212> DNA
<213> Glycine max

<400> 3211

ttgacttgct ttccaatctg acattcactt cagattctgg cttcctctat tttcagaatg 60

ggaatgcctc ttacaacacc tttggcaatg attttcttca tgcctcttaa gtgcagatgt 120

tccaatcttt gatgccatat tttgacttca tcttcattgg gagataaaca tgtggaggaa 180

gtactgggtt tcttgaagtg ttcataggta acaaatgtcc tttgatctgc tgcccttcat 240

taaaacttca ctcttctcat ttgtcaccaa gcattctgac tttgtgaaag atacattgaa 300

tccttcatca caacactgac tgatgctgat c 331

<210> 3212
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3212

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aatgtgctct acatacccac tttcacattc aatcttattt caatgtcaaa ctcgtatctt 120

ctactaatta tgaattaatc ttttcttcca catcgtgcgt attgcggaag cgaacaatca 180

tatgaagatt ggtatagttg aagcaaagca tggcctctac catntgatac caaaccagat 240

aactaccaaa gccatctgct ctaccatcac tcatcctaaa tgcaacatca tccccataga 300

cctatggcat tttagaatgg gacacccatc aaatgaaagg ctacaatgta tgaaaaacta 360

ttatcctctt ttgagaaatg atncaaaatt tgtctgcaac acgtgtcact atg 413

<210> 3213
<211> 398
<212> DNA
<213> Glycine max

<400> 3213

tagactaagt tcagcctacc atcctcagac tgattgccaa actgaactgt tcattcagtc 60

gctaaaagac cttttgaggg catgtgtctt agagcaaaag ggaagttggg agagttttct 120

tccgctgata gagtttactt ataacaatag ttttcactct acgattgaca tggctcccta 180

tgatgctttg tatggttaaa ggtgtatgac acccctatgt tagctagagc ccggagaatg 240

ccttacctta tgacctgaaa tggtacaaca aaccaccaat aacgtcaagt tgatccaaaa 300

aggatgacga ccgctcacag ttggcagaat tgttttacga ttagaagagg aaagatctga 360

cattcgcgtt ggtgatcatg tattcttgaa agtcactc 398

<210> 3214
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3214

taagatccta agtgctgata gtataatacc cttatgtatc taatctttgc ttaacctttn 60

tgcactctac tggccaggtt ctttaattcc tttagactga gagagctaac agcatcacga 120

aggatgtgcc tggaatgcaa aaaaatgaca ttgaatnttt catttcaatg gagaattcta 180

ctgaataata tttttaacag aatgtaacat tgacctattt ggattctgaa tgtctctgat 240

ctgtcttttt aatttggata tgttctgata aaactgttat tcataaaaag tgtcaaccag 300

ttagagaaac cttgtggagg agcagttttt caactaactg cagttgatac catttgttct 360

ac 362

<210> 3215
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3215

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gagataccta aaattcagaa cagaagctat tagaaaaaat caacgacgat gacttttttac 120

acggatgtnc gattgggtcc cataatatgt cgagacgctt gaaattgaaa acagaagctt 180

tcaagcaaat caaaagacaa taacttttta ctcgaatgtt cgagtgagtc ccataatata 240

tcgagacgct cgtaattgan aacagaagct cagaggaaat tcaaacgaca ataacttttg 300

actcanatgt ccgcttgagt cccgcactat atcgagacgc tcgtaattga aacagaagct 360

ctgangaaat tcaaacgaca gtaactnttt actcgtatga ccgattgagt cccataatat 420

gtcgagacgc tcgtaattga aaac 444

<210> 3216
<211> 264
<212> DNA
<213> Glycine max

<400> 3216

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aggaaatcaa agcttctacc aaggggagat ggaccatttc aagtgcttga aagaatcaat 120

gacgatgctt acaaagttga gctgcccggt gagtataatg ttagttccac cttcaatgtc 180

tctgacttat ctcttttga tgcagatgga gaatctgatt agaggacaaa tccttctcaa 240

gagggagaga atgatgagga catg 264

<210> 3217
<211> 276
<212> DNA
<213> Glycine max

<400> 3217

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gtgtcgttca gcaatattta cgggccttca tgcataataa gccactctct tgcggcaagt 120

tcttaatttg ggctgaatgg tcctataata cgtcttgaca tttaggaaca ggggcttctc 180

cttacgagat cacgtatggt aagacacctc ttactatccc acaatatgtt ataagaacat 240

cgaaagtggc agccggggat gactttctga ctaacc 276

<210> 3218
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3218

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aagttattgg tcgttgaatt ttctcagagg ttcaacattc catttcgatc gtctcgatat 120

attacgggac tcaatcagat atctgagtaa aacgttattg tcgtttgaat tggctcagag 180

gttcaacatt caatttcgag cgtctcgcta tattacggga ctcaatcaga catccgagta 240

aaaagttatt gtcatttgaa ttgactcang agctctacat tcaatttcga gggtctcgat 300

atattacggg actcaatcag acatccgcgt aaaaagttat tgtcgtttga atttgctcag 360

aggttcaaca ttcaatttcg agcgtctcga 390

<210> 3219
<211> 446
<212> DNA
<213> Glycine max

<400> 3219

agcttcaaca tcagaccact tccagggtgc tggtactact tcacatggat ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgcgtaaac tttatcagag agaaatcaga aacctttgaa gtattcaaag 180

agttgagtct aagacttcaa agagagaaag actgtgtcat caagagaatc acgagtgacc 240

atggcagaga atttgaaaac agcaggttca ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac agaatgggat agttgagagg aaaaacacga 360

ccttgcaaga agctgctcgg gtcatgcttc atgccaaaga acttccctat aatctctggg 420

ctgaagccat gaacacagca tgttac 446

<210> 3220
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3220

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ccagatagac caaattggag agattcccaa tctgagatgg aatcttcccc atgaatccaa 120

cataagagag gtcgaggtga gtcaaagagg tcattgcaca aaggaaagaa ggaattgcca 180

taccttcaaa ataattgtcg ctcaagtcaa gatatcgaag cttagagaga ttcccgatct 240

gagagggtac tgttccgtan gcaacatatc tcangtcaag atacaccana tntgagagat 300

tcccaatctg aggaggaatc ttccccctga atccagtaag agagaggttg aggtgagtca 360

angaagtcat tgtcccaacg aaagaaagaa tngacatacc ttctccaaga aatccattgc 420

cgctcaagtc caagtaattc 440

<210> 3221
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3221

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tttgaattac ttggacttga gcggcaatta tttccttgga gaaggtatgt caattccttc 120

tttccttggg acaatgactt ccttgactca cctcgacctc tctcatagtg gattctatgg 180

gatgattcct cctcagattg ggaatctctc aaatttggtg tatcttgacc tgagatctgt 240

tgccaacgga acagtaccct ctcagatcgg gaatctctct aagcttccat atcttgactc 300

gacctacaat catttacttg gagaaggtat ggcaattcct tctttccttt gtgcaatgct 360

tgactagtag tagtagctag tgaccaaacc taattcgtat tatcatagcc atcatacaaa 420

cctagctcac actgntcact tgcatccata t 451

<210> 3222
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3222

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gcctaggatc ttcttcatca atggattcct ttgcttcttg gaagatgaat ggtagtggaa 120

tggagaagga agagagagag gagatgccac ttcaaggaga agatgagtct ataagaagct 180

caccaccgta agaggccatg gataagagct tggaggaaga aggagatgaa tgaagggaga 240

ggaagagaag agcacaaaat tttgtgctct aaaagagctc tgaaatctga agtttaattn 300

tcaaatgatc aaagttgaaa aaatgcacac acatgacctc tatntatagc ctaagtgtca 360

cacaaaattg gagggaaatt tgaatttcta ttcagatttc acttgaattt gaaattgaat 420

ttgtggagcc aaattttgga tccaaaattc actattatga tag 463

<210> 3223

<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3223

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aatctgtacc tgttgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240

tctccagcaa cagatacaac cctggatgga ggaatcaccc taacctcaga tggtccagcc 300

ctcagcaaca acaacaacag cctgctcctt ccttccaaaa tgctgctggc ccaagcagac 360

catacattnc tccaccaatc caacaacagc aacaacccca gaaacaacca acagtt 416

<210> 3224
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3224

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aaaacccctt gaactacttc acattgattt atttggtccc tctagaacta tgagtntagg 120

tggaaattac tatgtctcgg taattgtgga tgattactca aggtttactt ggaccttgtt 180

ttcaaaaaca aaaaatcaag cttttgatgt ttttcgcaaa cttgccaagg tgatccaaaa 240

taaaaaaaaa ggtctttacg ttgtttcagt tataagtgat catggagatg aattaaaaat 300

gagtcttttg aagacttcta tgaagaacat ggaattcacc acaatttttc agccccaaga 360

atacctcaac aaaatggtgt tgtggagagg aaa 393

<210> 3225
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3225

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ctcgagagct ttggttgttc aatntccaat gtctcgatat attatgcacc tgaatncgat 120

tgtcgtgaga caagttatga ccatttgaat ttctcgacag catgcgttgt tcaatttcta 180

gcttctccat atattatgcg cctgaatctg acctccgtgt gacaagttat gaccattgga 240

attgctcgag ggcttccgat gttcgatttc gagcatctcg atatattatg tgcttcaatt 300

ggacatgcgt gtgacaagtt attgaccatt gaatttttcg agcccatacg ttgttcaatt 360

tcagcctctc gatatatatg cacctgaatc ggacttaatg tgaca 405

<210> 3226
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3226

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cagatnttag agtttatcta aagcttaagt ttatggaatg taacatgaac aatcaaaacc 120

tattactccg ttccaaaact ataaatgctc tacaaattca acactaaatt catagtcctt 180

tctctattat acccttgttt acagttatca gtgcattgaa tatttttttgt caccaatagc 240

taaccattta tcaatgagaa tattcactta atattgtctc tagactctac ggtatctaaa 300

tatntgtggt taatggtgat tccaacaaca tgattaaata ggaatatttt agtctaaagt 360

tttatcaatt aatatntagt aatgggtgtg cactaacctt aaacatatat 410

<210> 3227
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3227

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ctaagctcac ctccttgaga tgagaagcta gagcttagct acacacnccc tataatagct 120

aagctcaccc ccatgacaaa aaacatgaaa ataaaaaaaa gtccttatta taaagacaac 180

tcacaatggc ccgaaataca acgctaaaac cctatactac tagaatggcc aaaatacaag 240

gccttgacga aggaaaaacc tattctaata tttacaaaga taagcaggct catacttagc 300

ccatgggctc gaaatctacc ctaaggctca tgagaaccct agggtctttc cttggatctc 360

tancccaatc tacttggagt cttct 385

<210> 3228
<211> 446
<212> DNA
<213> Glycine max

<400> 3228

gttgatctcc tttgttccgg aaacctttct tttctcatgt gcacccaaac ccaatctccg 60

ggttcgaaga caaccttctt tctccctttg ttggcttgtt tagcatagct tttatttttc 120

ctctcaattt gatctttgac tctctcatga agcttcttca catagtccgc ctttgcttga 180

ccttctttat gcttaaaaac agaaacatta ggcataggca aaagatcaag aggagttagt 240

gggttaaaac cataaacaac ttcaaaagga gaacaattag tggtgctatg aacagctcta 300

ttgtaagcaa attcaacatg gggtaaacaa gcttcccaag tttttaagtt cttcctcaaa 360

actgtcctaa gcaaagttcc caaagtccta ttaacaactt ccgtttgccc atcggtttgt 420

gggtgacaag tggttgaaaa taacaa 446

<210> 3229
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3229

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tatgcaacat gatatgaagt agtagggtgg ttctaaagat ttgctagctt agccctcagg 120

gaacagagga agagtttagg cttggcttga gaagtagggt cattctctga aatgttatta 180

ataaatttca atatggagct gtacccaagg tgagttagat caatntaatt taatttgcaa 240

ttntattggc tccagttttg gttatttcgt tattgtatgt tacaatgtat tatcttttaa 300

ggtggtggag tcccgttgat tctgcactga accatgatgg agcaccatta acgacatatc 360

agtattttga aaatatgatg aatttcctgg tgcatctgtc caagaaattg gacttccttc 420

cttccttcct tcctttgaga catctgatct gaaacaag 458

<210> 3230
<211> 272
<212> DNA
<213> Glycine max

<400> 3230

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gattcaatgt ttctaagctt tttaattctc caaacgttga acgtattgct cctctcaaag 120

aatttccact aagatcaaga cttgtaagaa atttcagttc gcccagctct gaaggaatat 180

ttccctgaaa tttattttgg ctcatactca tgtccaataa atagagcaaa tttccaagtt 240

gttctgggat taacccacac aaattatttg at 272

<210> 3231
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3231

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tttgccttga tcaagtatgc ccacatcatt ctgctatgct catctacaaa tgatgtgaag 120

tacttgttcc cacccagtta tggtacctca aaaggaccac acacattaga atgcacaaca 180

ccaagtgcac tggaagctct cattggcaaa tgggaattaa aggaatttct tggttgcttg 240

ccaatgagac acacatcaca caccttctct ggtacattta attttggtaa acctataacc 300

atattattag ttactaacat attcaaactt ttgaaattta agtgaccaaa cctgagatgc 360

caaagccagc tcaattggtt gatctttgta gccattaaac attgtacttc tgctgcctta 420

atgttggctt gaaaggttct atttcttgag agtggagata tcaagactag cttca 475

<210> 3232
<211> 457
<212> DNA
<213> Glycine max

<400> 3232

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accacctagt agattttgtt tctcaagttc atgtaatcct ctttcactaa catgacctaa 120

tctcaaatgc caaagttttg ttttatcaat caaagtatta ctagctaccg atgcatgtcc 180

aacaatagtg gaaccttcaa gaataaacaa gccattactt ttattcttgt tacccttagc 240

tatgattaaa gatccatttg aaatcttaag aacaccattt aaaattctag ttgaatatcc 300

tagatcatca aacatgttta tggaaataag atttcttttg agttctggaa tgtaccttac 360

atttttcagt agatactctc tattatcaaa catcttcaat ctcacaattc caatgccttg 420

taccttgcag gggtagttgt ctcctagcag tacagct 457

<210> 3233
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3233

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atcgagacgc tcgaaattga aaacggatgc tcgtagcaca tgcaaaccgc aataactttt 120

aactcggatg tatgattgag taccataata gatcgagacg ctcgaaattg aaaaaagaag 180

ttctgagcaa attcaaacga ctataacttt ctactcggat gtctgattga gtcccgtaat 240

atatcgagga gcacgaaatt gagaacagaa gctctgacca taatcaaacc acaataactg 300

tatattcgga tgtgcgattg agtcccgtaa tatatgaaga cgctccaaat tgaaaacaga 360

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atatatcgag ac 432

<210> 3234
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3234

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atatatcgag acgctcaaca ttgaatattg aagctctgag ccaattcaaa ccacaataac 120

tctttactcg gatgtctgat tgagtcccgc aatataacga gacgctcgaa attgaatgtt 180

gaagctctga gctaatctaa acgacaataa ctttttttctc cgatgtctga tcgagctccg 240

taatatatcg agacgctcga aattgaatgt ggaatctctg agccaattca aacgacaata 300

actctttact ccgatgtccg atcgagtccc ctaacatatc gagac 345

<210> 3235
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3235

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agcaattatg acctttccag caacagatac aaccctggat ggaggaatca ccctaaccac 120

agatggtcca gccctcagca acaacaacag cagcctgctc cttccttcca aaatgctgct 180

ggcccaagca gaccatacat tcctccacca atccaacaac agcagcaacc ccagaaacag 240

ccaacagttg aggcccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300

cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caatcagatg 360

ggacaattag ctacccaatc gaatcaacaa cagtcccaga attctgacaa gctgccttct 420

caagttgtcc aaaatcccaa aaatgtcagt gccatttcat 460

<210> 3236
<211> 330
<212> DNA
<213> Glycine max

<400> 3236

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ttcgaacttt aattatctct taattcgctc ctaaagatag atcgccaaat ctgttgctaa 120

ctgcacaata atctgttaaa gatataacag atttatgtgt ccagtatttc cggcaggatg 180

tcctggacat tgtatccgac atcgtggatc ctgcacaatc tgttaaagat ataacagatt 240

tatgtgtcca gtattttccg gcaggatgtc ctggacattg tatccgacat cgcggatcct 300

gcaccttcaa ttcttcattt gacattttat 330

<210> 3237
<211> 471
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3237

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tcaaaaacca gaactaacca tctaatctgc actactacat taatgttctt tttaaccatg 120

agatttatac agggtaccgg gaaaaaatat attaagttaa attcctttat aaattctgta 180

gttttgttaa aattttaaat ggagggacat tggaatgaat ttatttagac ttataaaaat 240

cacttggggt tcttttataa ttnttttaac tcatttcaat aaatttaacg attattctaa 300

taaataattt ttcaataaaa atttattgaa aatgtgattg attatatata aaaaaaaaat 360

atgtcttaaa ccagcaatgg ttaaaaggtt ttaacaagat cctatattta tacaattntt 420

aattagattc ctaaccgcta tcgacatgtt tgaaattctt taataaataa t 471

<210> 3238
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3238

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tttataccct cattaccacc accttaaacc ctaccacatt aattactcac tcttcactca 120

aaactcttgt ctttcatttt gataattccc acactatggc tgagcttcac taccaacaac 180

aacaccaata ccctcaccga taccctaatg atccatacga acaacaaact agctactcca 240

ctcaggtcgt caaggcggcc accgccgtca ccgcgggcgg ctccctcttg atcctcgcct 300

cgttgatcct tgccggcacc atcatcgccc tcaccatcgt cacaccaccg ctcgtcatct 360

tcagtccggt tctcgtcccc gcggtgatca ccgtcgcgct gctgagcctg aggttccttg 420

cctncggcgg gttcggtgtg gcggcgacca cngtgctggc gtggatctac a 471

<210> 3239
<211> 236
<212> DNA
<213> Glycine max

<400> 3239

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aagaatgtgg catttacctg aggtgaaaaa caagagcaag cctttgcttt gctcaaagaa 120

aagcttacta aggcacctgt tctagctctt cctgactttt ctaaaacttt tgagctagaa 180

tgtgatgcct ctggagtgag agtaggaact acgatcaaca aactagctac tccact 236

<210> 3240
<211> 445
<212> DNA
<213> Glycine max

<400> 3240

tgagggagaa tgttgagaag taaaaatatt taatgtatag atctattatg atccgattta 60

gaggaaaatg aatatccttt cattatcatt ggtatctatt gtaatgacct atataattag 120

aatggttctg ttgtgtactt ttacactaat tttagtctat tattccttta tattactttt 180

attttacaaa attgattgag tccagaatta atttaggctg aaataatttt aagtagcttt 240

tgtgttaaat cagaaaatta atatatttga tatagcatat gataaattta tgattagatt 300

atagtgtaaa aatgtacaca actgcaagaa ttatttattc ttgatattgt tacaatttta 360

agaaactctt gcaatatttc cttatagaaa agtcttgcta ttgtgttggt gtaaaaagtg 420

agttattcca aaccaaaagc tgatt 445

<210> 3241
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3241

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tctggcttgg cctacgagcc tatntaaaaa tctgcttaaa gacgtctcta atcaattaat 120

tgttttaaaa cctagtaaaa tactaacaaa aaaaataaac ttataaaatt tcgtataagt 180

aatgtacaaa tccaaaaata atgataaaca aaatcatatt gaattcaagt tattaaaaca 240

taaagtatat caaaagaaaa tgaaaaaaaa gaacataata ttaaaaaaat atatggatta 300

gagatgatct atactaatat agccaaataa aaatatttaa attgtctgaa aatgtcttta 360

caaaacattn ttttctttgg aagtattaat cctgatgcat tatctttcta acttaagtct 420

tttctttttg aaaatt 436

<210> 3242
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3242

attctttgtg ggttgatggg ttctgtcgca cagaatggcg tgatcactgg ctgacatatt 60

ctcaattagc tcagttgctt cttccggggt cttcagcttt atttttcccc atgtcgaagc 120

atctagcagt tgcttggttt gtggtctcag cccatctatg aacatattca attggattgg 180

ctctgaaaac ccatgggtgg gagttcttct caataaacct ctgaacctct ctaatgcttc 240

acttagagat tcatcagcga attgatgaaa ttaagagttt gcagctttcc cttccgcagt 300

cttggactct gggaagtatt tctttagaaa cttttcaaca acttcttccc atgttttcag 360

actgttaccc ttaaacgagt gaagtcacct cttggcctct catgctaatg agaatgagaa 420

taggttgagt cttatagctt catctggcac accgaanatc ttaacaatg 469

<210> 3243
<211> 472
<212> DNA
<213> Glycine max

<400> 3243

tatatcaagg aataggctaa aaccttcgat gagatctcct tccatcatgt tccccgcgag 60

gaaaatcaaa tggcggatgc acttgctact ttggcgtcta tgttccagct aacgccgcac 120

ggagatctac cctacattga attttggtgt cgtggcaaac ccgcgcattg ttgccaagta 180

gaagaggaac gggacggaaa gccttggtat ttcgacatca agcgatatgt cgtaagcaaa 240

gaatacccgc cagagattgc cgacaatgat aagaggacat tgagaaggtt ggcaaccgat 300

ttcttcatga gcggaagcat actgtataag agaaatcacg acatgacact cctgcggtgt 360

gtggatgcca gggaggcaaa tcacatgatc gaggaagtcc atgagggctc gtttggaacg 420

cacgccaacg ggcatgctat ggctaggaag atccttagag caggttatta ct 472

<210> 3244

<211> 396
<212> DNA
<213> Glycine max

<400> 3244

tcataagaga gtcaaaacat caaattgaga ggagaaataa aagctatgct aaacaagcca 60

acaaagggag aaagaaggtt gtctttgaac ccagagattg ggtttgggtg cacatgagaa 120

aagaaagatt tccggaacaa aggaaatcaa agcttctacc aaggggagat ggaccatttc 180

aagtgcttga aagaatcaat gacgatgctt acaaagttga gctgcccggt gagtataatg 240

ttagttccac cttcaatgtc tctgacttat ctctttttga tgcagatgga gaatctgatt 300

agaggacaaa ttcttctcaa gagggagaga atgatgagga catgaccaag agcaagggca 360

aggatccact tgaaggactt ggaggaccta tgacaa 396

<210> 3245
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3245

gctattacgg acctatgaaa ctcagcttan aaatatatgt agaacataac aagctagaag 60

aataaatgga agttaattat attntcttaa aatcttattt tattatttga tgtagctcca 120

tgtagagctt gtaagcattg aatctttctt atcaatggag tcatttgctt ctcaaagatc 180

aatgacaacg gaatagagaa tgagaaaagg ttatttgaga cgccacttca aagagaagat 240

gaatcaagaa caagctcact agcatatgaa accatgaata agagcttgaa ggtaggtaga 300

agaagatgag tggagggaaa aggagagggg gacatgaaat ttatgcctca natgaggtct 360

gaactttgaa gtgtaatttc tcaaattatc aaagttgaaa aatatacaca caagacctct 420

atctatagcc taagtgtcac acaaaatta 449

<210> 3246
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3246

ctattacgga cctatgaaac tcagctatcc tacaaaacag gacatcctta ctttatatat 60

gcagaggact aagcagacaa aatcaccgaa ttaactttca tatggattct agtcacagcc 120

caacgattca ctaccttgaa ctaacatcca tataagacac aaactgcacc ctctgaacac 180

acatgatctt aaccctaacg atctacattg agcaagctta agcagtgatc aaacttgctc 240

tttggaactg gctgtgtaaa catattagcc ggattgtgca gagagataat cttatgaact 300

ttgattcttc tttctgaccg aatgaagtga tatctaacat ctatatgctt ggttctatca 360

tgatgaacct aatccttggc caagcatata gcactaaggc tgtcacagta gatgttagca 420

tattcttgat taatntcgag atcatttatc agacctctca 460

<210> 3247
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3247

tgaagagcct cctcaatcaa actgaaaaac ctatattcct caatgaagtt agcacccatc 60

ttttcataaa acttgatggt gagaatattc caatcaagca taacccactt gacccttatg 120

caccccattt ttatggcttg ctntgccacc acagagagca acattctccc aagccccttc 180

gtcttataac actccctcaa gaacaagttc tccatgtaaa accctcgctt ctctagaacg 240

agagagaagt tccgagaaaa caagacaaac ccaacaatgg aaacaccttt gagggttttt 300

aaatcgtagt ttctcgagat aactattact taatgggaat aataaatgaa taattaataa 360

ttatggact 369

<210> 3248
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3248

agcttacact gattgacaat ccgtaaggtt agtctttatg acttatacgg attgttaaaa 60

atatgtttta gaaaataatt taaaattaat gatccataca ggtctcaaac ctgtgtgact 120

ctcatgttat tatcataaca ctctaatcaa ctcaatgaat aggtcaatta tgttaaaaaa 180

taattagcgt cgctatatat aacattaaaa tttttaatgt atatttaatt tacataataa 240

attttgtaac aattattttt gatctaataa tgtttttta catatataaa ttctaaataa 300

aaattatacg gttaatgaac atctatatat gtaaaaaata cattattaca ataaaactta 360

ttattacaca atttattata tnaacttata tgtgtattaa atata 405

<210> 3249
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3249

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cactagattt tgaaataatg tgtgatgcaa gtgattatgc agtaagagcg gttctgagtc 120

aatggaaaaa taaaattttt catgtcatac actatgcaag aaaggtatta aatgaagctc 180

anatacatta tgccacaact gagaaagaat tgctcgcaat agtatatgct ttggaacaat 240

ttacatctta tttgatagga tctaaaattg tgtttttac tgatcatgct gctataagat 300

atctgttagt taaagctgat tctaaaccct aacttattaa tggattctat tattgaggaa 360

tttgatttat agatcaacga taaaaaggga agtgaaaatt atgtacctga tcatctgtct 420

<210> 3250
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3250

gcatgcaagc ttgctnctnc accttctcta atagcccaca agagatcttc ctccatggct 60

ctcctatcaa ggatttggcc atttgcatca actattcttg catctacgac attgtcagct 120

ncaaggccat actttctcat catggatcca tatgcacctc ccgtgatgtg ccctccaaca 180

cctaaacttg tgcaaaggcc tgcagggaaa ccatgaaccg aacttttctc atatattttg 240

taatagacct ccccaatagt ggcancggct tgaatccaag cagtgttgtc ttctatatca 300

acgttgacgg cgcgaagctt tgacaaatca acaattatga aaggggtctc aacttcagaa 360

acatatgaga gtccttcata gtcatgggca ccgctacgaa ttctc 405

<210> 3251
<211> 317
<212> DNA
<213> Glycine max

<400> 3251

agaatcggac atccgtgtga gaagatatgg cctatctgaa tatctccaga gattctgatg 60

attgagtttc gagcgtatcg atatgttata atcctgaatc tgacatccgc gtgaatagtt 120

ctgaccgttt agatttcacc agagcttgcg tcgtcaattt cgagtgtcac tatatgtgat 180

gcgcctgaat tggacatccg agttaaatgt tatgaccatt tgaatatctc aagagcttcc 240

actgttcaga tttgagcgtc tcgatatgtg attcgctcga atcggactct cgtgtgaaaa 300

gctatgacca ttataat 317

<210> 3252
<211> 239
<212> DNA
<213> Glycine max

<400> 3252

agcttcaatg tttaatttcg attgtctcga tatattataa gcctgaatcg gacctacgtg 60

tgaaaagtta tggccattcg aatttcttga gagctctcgt tggtcaattt ccagtgtctc 120

catatgtgat gcaaacgaat tcgacacgcc ggtgaaaaga taagaccata tgaatttctc 180

gagggctttc cctcctaaaa ttcgagcgtc tccatatatt ctaagcctga actcggaca 239

<210> 3253
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3253

tcttgagctn ggtatgaaaa gttaagttcn gttttaattg aaaatggctn tataagagga 60

aaggtaaata ctatgctatt tcagaaagat tatggaagtc aaatcctagt cgtcaagata 120

tatgtggatg ataccatatt cagtgctact aatgacttgt tgtgcgagga tttttccaaa 180

cttatgcagg cagagtttga gatgagtata atgggagaat tgaagttctt tcttggactt 240

caaatcaagc aaacaaacaa tggcatatac acacatcaaa ccaagtacat gaaggaactt 300

ctgaagaagt tgaagatgga tgatgaaaac caaatgaaaa cacttatgca tccaaccact 360

gtacttggac taggcaaaga atcaaagcgg gtggatgaaa agacatacaa agaaatgata 420

ggatatcttt tgtatgtcat tgagt 445

<210> 3254
<211> 157
<212> DNA
<213> Glycine max

<400> 3254

catgcaagct tataatatat cgagcgcgct cgaaattgaa caacggaagc tcttgagaaa 60

gtcaaatggt cataactttt aactcggagg taattcatgc gcctcacata tagagacgct 120

taaaaatgaa ccaccgaagc tctcccgaag ttaaaat 157

<210> 3255
<211> 461
<212> DNA
<213> Glycine max

<400> 3255

aaacgttcag aaactgctgg taatcgatta ctatatatgt gtaatcgatt acacagtgca 60

aactttgaat tcaaatttta atagctgttg taaatcagtt ttggccactg gtaatcaatt 120

acatcctctg gtaatcgatt accagagagt aaatttgtta aaaaagactt tttaacttaa 180

aattcttggc caaacctttt gctacttcaa ttggaattct cttcctattt aatataccct 240

ttctaagact ctagagactg tcttgatcat ccatcttgaa tatctttaat ttctttgtct 300

tgaataaagc ttttagactt tgagacgcat gtgaaacttt ggcatcatca aaacattcag 360

ctagatcctt tgtctacaaa agtgtgacag agagacaggt gcgatcatag ttctggatga 420

cattgcttct cagcagcatc ctccccagcg atcataattc t 461

<210> 3256
<211> 432
<212> DNA
<213> Glycine max

<400> 3256

tcaacattca atttcgagcg tctcgatata tggcgggact caatcagaca tccgagtaaa 60

aagttattgt cgtttgaatt ggctcagagg ttcaacattc aatttcgagc gtctcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattg tcgttggaat tggctgagag 180

cttcaacatt caatttcgag ggtctcgata tattacggga ctcaatcaga catccgagta 240

aaaagttatt gtcggttgaa taggctcaga gcttcaacat tcaatttcga gggtctcgat 300

atattacggg actcaatcag acatccgagt aaaaagttat tgtcgtttga attggctcag 360

aggttcaaca ttcaatttcg agcgtctcga tatattacgg gactcaatca gacatccgag 420

taaaacgtta tt 432

<210> 3257
<211> 393
<212> DNA
<213> Glycine max

<400> 3257

tgtagtcccg ggatctctaa gtcacctgcg gcatgcaagc tttgagccat tacacgacaa 60

taactcttta ttcggatgtc tgattgagtc ccgtaatata tcgagaccgt cgaaattgaa 120

tgttgaagct cttagccaag taaaacgaca ataacgtttt actcggatgt ctgattgagt 180

cccgtcatat atcgagacgc tcgaaattga atgttgaatc tctgagccaa ttcaaacgac 240

aataactttt tactcggatg tctgattgag tcccgcaata tatccacacc ctcgaaattg 300

aatgttgaag ctctgagcca attcaaacga caataacttt ttactcggat gtctgattga 360

gtcccgtaat atatcgagac gctcgaattg aat 393

<210> 3258
<211> 336
<212> DNA
<213> Glycine max

<400> 3258

catgcaactt cacgatgtgt actccctcgg ctgctgacta gcagagtata cggccacgga 60

acaactacta caaggtatga aactacatga gagaaaaagg ttcttacaag acaccactaa 120

gtatgtgcgg gacgacccta ttctttttg cattcgtttt gacagaccgt caaagcgatg 180

tctaacaaaa gaagaacaag ctatcatact ttggcattgc cataactcac cacgacgagg 240

ccactttaac tgagatagaa caactgcaaa gatccttcaa gaaacattat attggcctac 300

attctttata gatgcttatc accatgcacg atcatg 336

<210> 3259
<211> 457
<212> DNA
<213> Glycine max

<400> 3259

taagctcctt caactgcaca aggctcttaa tatttgaaga gtatccttgc ggaaccttca 60

cccgacgaag acactgacaa aaacttatct tctacttctt ggacaaagta tggcaagctg 120

ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatctt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcgtcgt gccttgaatt ttaaggagcg 240

tcccaatcac actgtcacaa aaatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaagatc acaccagtat ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360

tctgactttt atccttcttt tgggtcttcc caaatacagt gttcaggtgt tgaacccgct 420

gatatacctg ctcaccagtg aacagtatcg gcgcaat 457

<210> 3260
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3260

ttccacaatt ttagtcgtgc tatacgagac atcttgccaa cagagtcagg ttaccataac 60

tcgcatgtgc ttttnctttc atgccatatg tagcaaagtc cgtgatccta tctagtttga 120

tgagctggaa aatgacgccg caattatact gtgcttagtg gagatgtatt ttccccctgc 180

ttttttgaca tcatgattca cttgaatgtg catctgggca gagaaatcaa atgttgtggt 240

cttgttatct actgtggatg tacccgggtg agtgatacat gaagatctta aaagggta 298

<210> 3261
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3261

agcttaatta ttttcactca gaatctttca ttatctatat ccctaggatg agaatttgca 60

gagtttcatt accattaatg ggtggctccg tgatttctta tggacccaca taattcagtc 120

ttatggttct ttattatctg catatggtct ctctttcttg agtgcacatt ctgtatgggc 180

ttttaattta atgtttctat tcagcgggcg gggttattgg caattctagc atatggtttn 240

tggcacaata atatgcaaag aaaatctctt atgctatgtg tttattgatt atgaagatcg 300

atgatatgat cttcccttaa cgttcac 327

<210> 3262
<211> 356
<212> DNA
<213> Glycine max

<400> 3262

tcttttcttt tagaagatgg tttttaatat gaaagacaaa gttgatacaa ctcatttcag 60

aagagaagta cgcaaaattt cattataatt caaattcatg tagatgaaat tatttttga 120

gttactaatg aatctttgtg tagggatttc tctaatccta tgaagaatga atttgaaatg 180

agcatgagat gagaacttaa gttcattttg ggacttcaat caagaagtat agcaaaggca 240

tatatattga tcaataaaag tacactaaaa aacttctgaa gaagtttaag atggaaggtg 300

ctaaacctat gaaaaccctt atgcatgctt ctattcctct gagcaaagac aaatat 356

<210> 3263
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3263

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agacctccaa tctttaatgg agagggttac cattactgga aaacccgaat gcaaantttt 120

attgaggcaa tagatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180

acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac tatagaanaa 240

cctanagata gatggtctga agaggataga aaacgagtac aatacaactt ataagccaaa 300

aatataataa catctgccct gggaatggat gaatatttca gggtttcaaa attgtaagag 360

tgctaaggaa atgtgggaca ctcttcgatt aacacatgaa ggaactacag atgttaaaag 420

atctatggat aatgcactaa ctcatg 446

<210> 3264
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3264

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agatggttag agttctttaa ggattacgat tttgagctta gctatcatct atgtaaagcc 120

aatgtagtag ctgatgcctt aagtagaaaa tcccttcaaa tgtctgcttt catggttaga 180

gagttagacc tcttagagca gtttatagac atgagnttgg catgtgagat cacctctagt 240

agcattaagt tgggtatgtt gagagtcacc agcgaactct tgagcgagat ccgtgaaggt 300

cagaagtttg acccattctt gt 322

<210> 3265
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3265

aaacccaaca cagcagctat gagcttatca attaccatca caagtttagt caactttcgc 60

tgtgatgaat caatatatag acttatcttc acttgggact tgggtacacc gtggcctttc 120

atggctcctg acactttatc cacagacttt ttcacaatgg ttttgaaagc caccttactc 180

atattacctt gccgccatga tggtttcaaa acctccctta caaaaatcgc aatggaaact 240

ttgaacaatt tcatcgatct ggaatcctta ctctnttttc ttttcccacg agacttgacc 300

tgattaatct caacctcccc tgaagtcatt tttgcaacat ccacatcatc acttaagctc 360

tcattttcaa cagcacctac ttctgcatct gctggntcac catattcatc attatt 416

<210> 3266
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3266

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ccttaaaaat gaactcttaa ataatgattc aaatagaaca atctgaatat aaatataacg 120

caataataaa taaaagagtt caagggaaaa gaaagtgcan actcggattt atactggttc 180

ggccacaccc ttgtgcctac gtccagtccc caagcaaccc gcttgagagt tccactatct 240

tgtaaaatcc ttttacaagt tctaaacaca caaggataat ccttcctttg ttttcataat 300

tcttttacaa caagagaccc tcggtctctt aatcccctct gagaatttag aaagaagaga 360

agaatgaatc tc 372

<210> 3267
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3267

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gtcgtggcgt aaagcccgtg ccggcgaaga tagaagcggt gtaaaattgg ccaactcccc 120

aatctaccag agcattgcga ggcttccagg gcttgtcggg attctaccga agatttatta 180

aaggctattc ctcaattgca gctcccctca cgacactgct tgccaaggat tcattccact 240

ggaactttga ggccaaacat gccttcatga acctaaagca caccctatgt agtgcccctg 300

tgttaagctt acaggatttt tccctcccat tttgtgtgga aatggacgct tccggatcgg 360

ctgggacggt ttgctataaa taccgaagca ttttacaaac atctgtcact ctgtgct 417

<210> 3268
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3268

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ttatagcagg ttcaatggac aatggagatg gaatagccgt cggttggtta cgacatcctg 120

tctttagaga taaagacggg catgaacggt ttgtacgtcg tatgcctact ttttttgaaa 180

catttccggt tgttttggta gatggggatg gaattgttag ggccgatgtt ccttttctaa 240

gggcagaatc taaatatagt gtggaacaag tacgtgtaat tgctgagttc tatggtggcg 300

agcttaatgg agtcagttat agcgatcccg ctactgtgaa aaaatatgct agacgtgc 358

<210> 3269
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3269

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ttgcttaaac aatcccaatc agctcctctt accgtggaag aacagataat aactatttat 120

actggaacga atggttatct tgattcatta gaaattggac aggtaaggaa atttcttgtt 180

gagttacgtg cttacttaaa cacgaataaa cctcaattca aagaaatcat atcttctacc 240

aagacattca ctggggaagc agaagtcctt ttgaaggaag ctattcaaga acagatggaa 300

ctctttttac tacaggaaca ggtagaaaan naatgattaa tcatttaata actttataat 360

ttcactttca aattcttata aattagtatc tttaatatct ttttatttca tttgaatatt 420

atattaatat att 433

<210> 3270
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3270

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cagcctgctt agaggtaagg gatgagttta tcgcaattga ggttaaaatg aacatatgta 120

gtgatgtaga tccatgtgca gcttgtaggc cttggatctt cttcatcaat gaagtttttt 180

gcttcttgaa gatcaataaa aggggaatag agaaggaaga aagacgatta gagatgtcac 240

ttcaaggaga agatgagtca agaacaagct caccatcaaa agaagccatg gataagagct 300

tgaaggtang atgagatgag tggagggaga aggagagaan gagcatgaaa ttttatacct 360

caaatgacgt ctgaactntg aagtgtaaat ctaaaatg 398

<210> 3271
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3271

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cgtaaataag tttatattga gatgataatt aggcaaaatt ctttctatga tttttgttag 120

taatcaacat aattaaagaa ctttntacta ttgagggaaa tcctacaata tttttataaa 180

ttttgatcat ttagattcat tacgtaacta attcttaatt tataactttg tcatatctaa 240

agtttattgt ttccattcga acttaaaaat caaacataca aattatcttt cataacctca 300

atatgtatta tcaaataaat tatactttnt aactnttttt taagataata gagaaacaa 359

<210> 3272
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3272

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aatatgttgg ggcactacaa tgtcaagtat aaggttgctt ctccttatca tccctagaca 120

aatggccagg ccgaggtatc caataaggaa ttaaagaaaa tcctggagaa gactattaca 180

tcctcaagaa aggaatgggc tgtgaaattg gattatgctt tatgggctta tagaactact 240

ttcaagactc caattggttt gtccccattt tagatggtct atgggaaggc atgtcatcca 300

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ttatc 365

<210> 3273
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3273

ttcttatctt catattctag nggctgctac gcatacacct tttcatttat gaatccattt 60

agaaaggaac ccttaacatc catctggtat agtttaatgt ttttgtgtgt tgcataagct 120

aaaagtatta tgatggcttc aagtcttgct actggtgcaa aggtttcttc atagtcaatt 180

ccatcctttn gattgtatcc ttaagtaacc agtctagcct tgtttatgac tacttcaata 240

atgcccttga ctgttaactt gttggtagct cacactctat gacacttcac acggtgacac 300

ttcactcaac ttctcgttag tcagaatcct ctaccagtca gaatccttcg taagtagtct 360

ttttcgagac ctagacaatc ttctttgact gctttaagag caatgacta 409

<210> 3274
<211> 403
<212> DNA
<213> Glycine max

<400> 3274

ctggatgcat tggttaactc ggtaacccaa ctggccttga accagaaatc tgtacctgtc 60

gcaagggtct gtggattgtg ctcctctgct gaccaccata cagacctttg cccttccatg 120

caacaaccgg gagcaattga gcagcccgaa gcttatgctg caaacattta caatagactt 180

cctcaacctc agcagcaaaa tcaaccacag cagaacaatt atgacctctg cagcaacaga 240

tacaaccctg gatggaggaa tcaccctaat ctcagatggt ctagccctca gaaacatcag 300

cagaagcctg ctccttcctt ccaaaatgct gctggcccaa gcagaccata cattcctcca 360

ccaatccaac aacagcaata gccccagaaa cagccaacag ttg 403

<210> 3275
<211> 313
<212> DNA
<213> Glycine max

<400> 3275

cgacagttag tgtttactct gatgtcggat aaaggcccgt aaaatatcga gacgctcaat 60

attgaaaaca gatgcagtca gcaaattcaa acgacaataa cttttgactc ggatgtccga 120

ttgtgtcccg tattatatcg agacgctcga aattgaaaac tgaagctctg agaaaaatca 180

aacgacaata actgtttact ctgatgtccg actgaatccc ggaatgtatc gagacgctcg 240

ttattgataa cagaagctct gagcaatttc ggacgagaat aactgttgac tcggatgtgc 300

gattgagtcc cgt 313

<210> 3276
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3276

tgctcaccac tactagaggg aaatctttta nggtgtttca taaaaacctc ctcctctaaa 60

tcaccattaa aaaaggatct tttcacatcc atttgttgca actcaaggtc aanatgaaca 120

atttatacca agataatacg aagagaatat ttcttagata caggagaaaa attctctgtg 180

tagtctattc cttctttttg agtaaatccc ttaacaacga gtcttgcctt ggatctctca 240

atgttgccta atgaatccct ttggtcttaa agacccatnt acaaccaatg acctttaccc 300

tattatgcaa ctctacaagg tttgaanact ttgtactctg ca 342

<210> 3277
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3277

agcttctana ctntgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa gaaggggggg ttgaattaag atattccaat ctttttcccc taattaaaaa 120

tctatttccc tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180

ttcagacgaa gcaactggaa tatgaatata aagcaataat aaataaagga gattaacgga 240

agagaaaatg caaactcagt tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300

ccccaagcaa cccgcttgag agttccacta tcttgtaaat tccttttaca agttctaaac 360

acacaaggac aatccttcct ttgtgtttag agatccttta caacaagaga ctcaca 416

<210> 3278
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3278

tgcagccgtc cgtcgcagac atctcaaatt gtgcgcactg tttagttaat aaaaaggaaa 60

atnttctctt ttacaatttg ataaaaacaa aaattatgca aaaaaatgaa ttaggttata 120

ntaatttttt ttaaaaagaa taattcagta aataattata aaattatatg gtttaaagaa 180

tttgtaacag taatgaatga tataatgatg atcattacta tcgtgtatat gtaataacat 240

aaaaatagat ataaaggttt tcttagacaa ctaacaanaa aagataaaag aattttagat 300

tgaataaaag gataaaataa aatttcaaat aaaatagtat ggataattta aaaaaaaact 360

tataaaataa tntattctcc ataagttact tcaattagtg tatggaaaat aaactactaa 420

aataacgttg tgtactt 437

<210> 3279
<211> 318
<212> DNA
<213> Glycine max

<400> 3279

agcttgtttc ttgctattcc aagacactat agagcttcct aatatgtggc atgtcccacc 60

tgtgtatttt ctatataatt tgcaacctgc acaatccgaa tttaaatagc ctattataat 120

taaggtggca cctttatgat accacaaacc tacattcgta gtgcctttag gaactcaatg 180

atcctttgaa tggttgtaaa gatagattcc ttaagagttc tctcggtatc tttcacataa 240

gtaaacactt agtaagatat cctgtctttt tgaactcagt acataagtga tccactccca 300

cctttatatc ttgactca 318

<210> 3280
<211> 471
<212> DNA
<213> Glycine max

<400> 3280

agcttgtgga tgttctaaga cgtaatattg gagcgttttc ttggagctca actgacatgc 60

taggtataga tccaaatttc ctccatcaca aattggtttt agattcctcg gcaaagccag 120

tcatccgaaa atgaagaaag ttcggagagg ataaaataaa agtaattact gatgaaacaa 180

agaagttgat ttcagccaac catgttagaa aaattcaata tttgacttgg ctggtgaatg 240

tggtgatggt taaaaagtca agtgggaaat ggataatata tggtgacgtc acaaatttaa 300

acaaagcatg cttcaaggat tcatatccac taccaaacat caatcgccta gtcaatgggg 360

catcatgttg caaatggctt agcttcatgg atgtctactt agggtataat caaatcaaga 420

tgcatcccat ggacgaaaga caaacaactt ttatagttgg ataatccaat t 471

<210> 3281
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3281

cgagggtctc gatatattac gggactcaat ctgtcatccg agaanaaagt tattgtccgt 60

tgaatttgct cagagcatca acattcaatt tcgagcgtct cgatatatta cgggactcaa 120

tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc tctaagcttc aacattcaat 180

ttcgagcgtg tcgatatatt acgagactca atccgacatc cgagttaaaa gttattgtcg 240

gttgaatttg ctcagagcat caacattcaa tttcgagcgt cttgatatat tacaggactc 300

aatcatacat ccgagtaaaa agttattgtc gttgaattac tcagagcttc atattaattt 360

cg 362

<210> 3282
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3282

cgacaataac tttttactcg gatgtctaat tgagtcccgt aatatatcga gacgctcgaa 60

attgaatgtt gaacctatga gccaattcaa acgacaataa ctttttactc ggatgtctga 120

ttgagtccca taatatatcg agacgcttcg aattgaatgg tgaacctctg agccaattca 180

aacgacaata actttttact cggatgtccg attcagtggt gtaatatatc gggacgctcg 240

aaattgaatg gtgaacttct gagccaattc aaacgacaat aacttttac tccgatgtat 300

gaatgagtcc cganatatat cgagacgctc gaaattgaat gttgaacctc tgagccaatc 360

anacgacata actttactc gatgt 385

<210> 3283
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3283

agcttaacat tcaatntcga gcgtctagat atattacagg actcaatcaa acatccgagt 60

aaaatgttac tgtncgttta aattgcttag ctctccagct ttaaatttcg agcgtctcga 120

tatatgacgg gactatatca gacatccgag taaaaagtta ttgtcatttg aatttgctta 180

gagattcaac attcatcttc gagtgtctcg ttatattacg ggactcaatt atacattcga 240

gtaaaaagtt attgtcgtta gaattttctc agagcttcaa caatcaattt cgagcgtctc 300

gatatattac gggactcaat caggcatccg agtaaaaagt tattgtcgtt tgaattggct 360

cagagcttca acattcaatt tcgagcgtct cgctatatta ccggactata tcagacatcc 420

gagtaaaaag ttattgtcgc ttgaattggc tcagagcttc aatattcaat tacgagtgtc 480

tcgatatatt acgggactca at 502

<210> 3284
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3284

atcttcttca tcagtggatt ccttttcttc ttggaagatg aatggcaacg gaatggagaa 60

ggaagagaga gaggagacac aacttcaatg agaagatgaa tctagaagaa gctcaccacc 120

atatgaggcc atggataaga gcttggagga agaaggagat gaatgaaggg agagggagag 180

aagagcacac aattttatgc tctaagagag ctatgaaatc tgaagtttaa ttttaaaatg 240

atcaaatttg aaaaatgcac acacatgtgc tctatntata acctaagtgt cacacaaaat 300

tggagggaac attgaatttc tactcaaatt tcacttgaat ttgaaattga atttgtggag 360

ccaaattctc actaattatg attagtgaat tttagttatg gttcagccta ctaatccaac 420

atcaagccca agattcttca ctaagt 446

<210> 3285
<211> 438

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3285

gcttatcatc aacatgatcc ncatttgggt gttcacatta ccatttggaa tctgtgcttc 60

ccaaacctcc actttcttca tcaaacaagg tgccatcatg aacagaaata tangcaataa 120

tggatttgtg gttcccccag cttcaatttt cactcttgca gccgttggga tgatactttc 180

agtgaccatc tatgacaagc tccttgtgcc agtgctaaga aaactaacag gaaatgacag 240

aggaatcagc atcctccaaa ggattggtat tggaatggtc ttctcagtca tcacaatgat 300

agtggcagct ttggtggaaa aaaagaggct tgaggcagtt gaaatgaatg gcccattaaa 360

gggttctttg tccatgagtt gcccttggtt ggccccacaa tttatgatca ttggatttgg 420

tgatgggttt gctcttgt 438

<210> 3286
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3286

agcttcgatg gagaacaacc ttatgttgta gagggtacac gcacggagaa gaagataacg 60

ggagaagaag aaagcgcgag caaaataggt ggcgtctaat ataatttaaa ttgtaagttc 120

aacatcagtt ttcaatacaa aagtgatgtt aacgttaaca tcagttttat tcaagaaacc 180

aatgttaact aatcatacat taacatcggt tttcagaaac ccgatgttaa agtaacttcg 240

ttaacatcgg ttttcttgaa acccgatgtt aacgtatata cattattcac aattatgcca 300

ccacatttat cttaacatca tntttaaaaa aaaaaaaact gatgttaata aagtctcctt 360

atttaaccat ttngccaccg tgttttgtta acattgattt tatcaaaaac cgatgttaac 420

ttaacgatgt taaatgt 437

<210> 3287
<211> 568
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3287

agcttgtatt gaacactact tatatatata tatatatata tatatatata tatatatata 60

tatatatata tatatatata tatattaaag aaactaattn gtgtacccaa aaatatgact 120

ataccaaaaa agtcactaat tcaaaaataa ataagtctca ttaggtaaat ataataaatt 180

taattcatta aaaacttctt taggtgtgat atacattcat tcactaaata tatatatttt 240

tttttcaaaa atgataacat atatgtcaga gtgctcagga ttcttcctag tgcatcagtg 300

aatgcttctt ggcaattatg tntcctcttc ataatatgtt atgtatgttt ttattacact 360

aataaaaaca attattaaaa aaattattnt tcaatatcaa tgagtacaaa tgaattatga 420

tgtaaaaaat acatatattt tttagaaata aatactttaa ttcgtatcat tataaacgtg 480

gaaaaaaata aatacctata tagccatgtg ttaatataca agacagtgag gagaaaataa 540

atgtgtaaaa gaatatatac atatttaa 568

<210> 3288
<211> 603
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3288

aaagaaaagc atatagtcca tgcgttcaag tttagtttta acatggcact tttacttcgt 60

ataatttttc gtttgtttta atgttattac ttattagact aagattcgct aagtctcata 120

tntaagtttt atgaataaaa agatgtataa ttaaaagaaa aaatttcatt aaaaatgatt 180

gaacttgtct tagatgcatn gttgcatttg ttggaaacaa taaccacaat gaaatttaaa 240

cttaaaattt cgtacacatt tcctaaattt atcaccacta acctaattct aatagttttc 300

ttttacataa atatacattg ataaagcttc gatacttaat taagtattta gaagacataa 360

gagttattct taatgacttt tatacttcaa acgaatatct tatataaaga aaatagaatt 420

ggttttatat attaagaaat atttatattt ttctacttat ctataactaa atactcatat 480

cttacataaa agtaatcgtt ttattcttat ttagttaatg agctacaaaa aaagtgcaga 540

tattgtttaa aactcgctga tatgagtggt tactagaata cctctactat gatagatcat 600

ctg 603

<210> 3289
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3289

ttagtccaga cttctaatgc tcttaatctc tcctcgtcta aatcaactaa ctcatctgac 60

atcattttcc aataatggtc gatcggaatg tccatttgtt tttgtactct agctgattgc 120

aaatgtattt cgaccggaag tatagcatcg tgcccataag tcagtcgaaa tggggtagta 180

ttaagtgatt ccctatgaga atttctacat gcccatagaa cttgatctaa cgttntattc 240

caatttcttg gcttttgggc aatgtgtttt ttaatcaagt tgaatacaat cttattggct 300

gcttcgacct gaccatttgc ttgcgcataa tat 333

<210> 3290
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3290

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tcaaatgtta tagcggtttg aatatgctcc agctttcgtg tctctcgata tttaagtcaa 120

aagttattgc cgttggaata tccctggagc attggtcttt catctcgagc atctcgatat 180

gttatgagcc tcaatcggaa acttgagtca aaagttattg caatttggat tntccagtag 240

actccttgtt caatttcgag cgtctcgata tattatggac cgcaatcaaa aataaagtca 300

gaatttatgg gaatctaaat ttgctgggag cttcgatgtt caatttcggg cgtctcaata 360

tattatggga ctcatacaga catccgagtc aaacgctatg ctagtttgat nttttgggga 420

gattctattt caatntcgag agtcttaata tgttatggcc tgcaatcgga tatcatagat 480

agaacttatg gccattgata attggctgga 510

<210> 3291
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3291

agcttctaaa ctntatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa gaaggggggt tgaattaaga tattccaaac aatttcccct aattaaaaat 120

ctatttcact gttttactca agttatgaat tcccttaata acaatcttct taaatattaa 180

ttcagatgaa acaatttgaa tatgaatatc aagcaataat aaataaagga gattaaggga 240

agagacaatg caaactcagt tttatactgg ttcggccaca cccttgtgcc tacgtacagt 300

ccccaaacaa cccgcttgag agttccacta tcttgtaaat ccctttaca agttctaaac 360

acacaaggac aatccttcct ttgtg 385

<210> 3292
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3292

cctcatcagc aaaatcaacc acagcagagc aattatgacc tctctagcca cagatacaac 60

cctggatgga ggaatcaccc taacctcaga tggtccaacc ctcagcaaca acaacagcaa 120

cctgctcctt ccttccaaaa tgttgttggc ccaagcagac catacattcc tccaccaatc 180

caacaacagc aacaacccct gaaacagcca acagttntag gccacattat ttccaataag 240

ggtattgaag tagatcctgc aaaaatttct gttatttcac aatngcctta cccctcctgt 300

gtgcgagaag agtgatctnt tcttggtcat gcaggattct ac 342

<210> 3293
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3293

gcttctaaac tttatacaag aatgaagctc tgataccact tgttagacaa gtgaccttag 60

tatcttaaga aggtgggttg aattaagaca caaaaatatc cctaattaaa atataactct 120

ctttttaatt aataatgaaa ccctaattat gaattatttc aagaacaatt cacaataaaa 180

cttctttaaa gcgaaatata aactgcaata aaataaaaga agttaaggga agagagaatg 240

caaactcaat tttatactgg ttcggccacg ccctgtgcct acgtctagtc cccaagaaac 300

ccgcttgaga ttccactatc ttgtaaaatg cctttacaaa gtctgaacca cacaaggaca 360

acccttccct cacattcaaa aatccttaca acataagaga ccctctgtcc cttaatcaat 420

ntctttgaat gagaagaaga aaagaattct ctctttaaga gaaaatatac aatggaagat 480

actc 484

<210> 3294
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3294

gaagatatcc taacactttc tttgccgctg tctagagctc tatacctgaa ttactctgat 60

atcttccaag cattccaacc acaaatgcaa tgtcaagtct tgtacacacc tgcgcataca 120

taaagcttcc tacaatggaa gcatatggaa tgtttctcat ttgttccctt tgaagcttat 180

ttttatgaca ttgattcaaa ttgaatctat caccttcac aataggtgtc atgttgggtg 240

aacaatcttc atncgaaata tttctagaac tttgttagta ttggccttct tatagagccc 300

gagaatccct tgatatcacc atctatggat ctctatgcca atgacatatg ctgcctcacc 360

cata 364

<210> 3295
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3295

acttaaaatt ctggaagaag acaactaaca atctttttga attggaaccc gtgaatgcta 60

tgccttatgt tattgtgtct aacatgcatt atgaatctcg gaaatgggat gatgttgtga 120

aatacaaggt tggtgaaatc aaaggaataa caaaggagcc tggatgtagt tggatcaaga 180

tgaactacag agtgcataca ttcatttctg aagatagagg acatccaaag gaagctgaga 240

tttgttccaa gattgatgaa atcgtaagaa gaactaagga agctggttat gttccagata 300

tgaatttttt gttgcatgac atggattcag anggaaaaga agttggtctt gcttatcaca 360

gtaagaaatc ggatgttgct ttgggattac ttgc 394

<210> 3296
<211> 242
<212> DNA
<213> Glycine max

<400> 3296

cctttatata tttgagggac tcatgggcac tctgaattac aaattccctt ggataaaaag 60

ggtgttgcca tgttttcaaa acccgtactt aagcgtacaa ctccttatta taaattgaat 120

aatttaaggt gagaccactt tacttttttac ttaaataaac catttgattg gcctctttca 180

ttaacacaac ccccattcca acattttaaa cattacactc cattttaaa aaatttttaa 240

aa 242

<210> 3297
<211> 418
<212> DNA
<213> Glycine max

<400> 3297

agcttccacg ttcaatttcg agcgtctcca tatgttacgg gacttaatca gacatccgag 60

aaaaaagtta gtatcgtttg agttggctca tagattcaac attcaatttc gagcgtctcg 120

atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180

agaggttcaa cattcaattt cgagcgcctc gatatgttac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgaattggct cagaggttca acattcaatt tcgagcgcct 300

tgatatgtta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360

tcacaagttc aacattctat ttcgagcgtc tcgattgtta cgggactcaa tcagacat 418

<210> 3298
<211> 332
<212> DNA
<213> Glycine max

<400> 3298

agctttgagc taattcaaac gacaataact ttttgctcgg atgtctgatt gagtcccgta 60

atctattgag acgctcgaaa ttgaattctg aacctcagag ctaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagacccgt aatacatcga gacgctcgaa attgaatgtt 180

gaagctctca gcaaattcaa acgacaataa ctttttttcct cgaaggtctg attgagtccc 240

gcaatatatc gaaatcatcg aaatggattt ctgaagcttt gacctatttc aaccaccaat 300

acctttttttt tcgaatgttg gattgagtcc cg 332

<210> 3299
<211> 137
<212> DNA
<213> Glycine max

<400> 3299

tgggttcata ctatgtagct catcatgatg tatcttttcc attccaatga tctatgcttt 60

agagccttct tcggatgtta catagctagt ggagcatggc tgaatgttca ccaggaattc 120

tttaacttct gtcatgt 137

<210> 3300
<211> 580
<212> DNA
<213> Glycine max

<400> 3300

ctggttatca actcgtcccc cgggtggtcc attcaacccg tctttttttat gatcttccat 60

gcccatgatg catcctccaa atccaatgat gaatctgtct cctctaaatg cttctccaat 120

gaaccctgca ggaattggtt cttcaccttc gatgctacgt ccacctcatt tccaacagtt 180

ctatgatcaa caacaccacc atcaacatcc tcagtctttt ggacttcctg gtcggcctga 240

atatgatccg tcatccaagt ctttcaaagg ggtctttggg ccacttccat ctgatgttgc 300

aatggagctc agtaatgtcc ttaacaatct gaatggtaca aaagaatcca tcaaaggtgc 360

aaaactttgg ttcatgcaga gatctccatt tgcaccagcc ctagcagaag ctcttacaga 420

tagggtcttt gcattggatg aagttgagag acaattacac ataatatacc ttgccaatga 480

catacttttt gacaggtatc atatttgatt aattcacata ttataaaatg ttagaaatgt 540

tcttctaata agcagaaaag atggatcaca catacaccta 580

<210> 3301
<211> 449
<212> DNA

<213> Glycine max

<400> 3301

tctcgatata ttatgcgcct gaatcaaact ttcgtttcaa aagttattat cctatgaatt 60

tctccactgt attccgtgtg acaagttatg accatttgaa tttctcgata gcattcgttg 120

ttcaatttcg agcgtctcta tatattatgc gcctgaatcg gacttccgtg tgacaagtta 180

tgaccatttg aatttgtcga gagcattcgt tgttcaattt cgagcgtcct catatattat 240

gcgcctgaat tagacattcg cgtgacaagt tatggccata tgaatttgtc gagagcattc 300

gttgttcaat ttccagcgcc tcgatataat atgcgcgtta atcggacttc cgtgtgacaa 360

gttatgacca tttgaatttc tcgagggctt cccgtgttca atttcaagct tctctatata 420

ttatgcgccc gaatcagact tccgtttaa 449

<210> 3302
<211> 379
<212> DNA
<213> Glycine max

<400> 3302

ttctggtcgg tattgatttt tggtatatcc cttcaacact ttcatgtagc gttcaactgg 60

atacatccac cacaaaaaaa ccggaccaca caacccaatt tccctcacaa gatgaacaat 120

taggtgaacc atgatgtcaa aaaatgatgg taggaaatac atctccaact ggcaaatgac 180

aatggcagcc tcattctcta agtcatccaa ttgttgagga ttaatgaatt tgctacatat 240

ggcattaaaa agaaagcaca aactggttat ggcaacccta actttgtcag gcaagatgcc 300

gcgaatcgca acaggcaata attgttgcat taagacatgg caatcataag acttcaagcc 360

aaccaactta agatcattg 379

<210> 3303
<211> 448
<212> DNA
<213> Glycine max

<400> 3303

tttttggtct ttattgaatg ttgagtttgg gattaaccac aggctgtgcg aaaagttctt 60

ccctcgctga atggtaaaac tactgggatg tccttccaag tccccccctga tgatgtttca 120

aatgttgacc taactgtcat gctaaagaag ccagcatcct atgagcaaat caaagctgct 180

atcaagttag tttttgaacc tttttgaaaa tcttttcatt tggcagatcg aatcatgttt 240

ttttcccgtt gacccaacaa ctttttgtgt tcaaatttca gggaagaatc aaaaggcaaa 300

ctgaagggta ttttgggata caccgaagat gatgttgtgt ctactgattt tgatggtgat 360

aacacgtgat gttgtgttct gaagcaacat tggaagataa actatcatga tcactttttt 420

ggtgttctct tggtctataa tgacttac 448

<210> 3304
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3304

tagcccatca tcaatattga tttcagaaaa aaaaagcaag tgattatatt gaactgagcc 60

agaccaagga aaaatacatc aaagaaaata aataatctag tatagctaat tttataatca 120

gataaagcat ctgagacctg ctgccatgtg gtatcaacag gaagctgccg ccgagcatcg 180

ccagcatcaa aatccagtac accataatcc ctcaaccgaa tctacacagc aataactaaa 240

atcagaagtc tttttgagga ttaaatgcat ggcattatct ataagacaca tttttcaaat 300

tgagacaaac ccgaaggaag gcacggattc tttgcaaatt cccaacacca ccaccaagag 360

cagcctacca ttagataaaa aagcaagcag aaattaagtg ttgataacaa atacaaattc 420

atgcttgctc tcttatatga attaagaaat aaagaacagc ngatataaac aaaaaaaatt 480

gagagaagct tgcanagtat ttcactattt cttggagcat g 521

<210> 3305
<211> 408
<212> DNA
<213> Glycine max

<400> 3305

gctaacccat ggaagctcct aatatctcct acacttttg gagtgggcca ttcttggatg 60

gccttgattt tataaggtct ccttggaccc catttctacc aactacaaac cctaagaaaa 120

ctatattatc tacacaaaaa gtacacttct ctatatttgc atagagggta tttttcctaa 180

ggactgaaag aacttgccta agatgtccta agtgatcatc taagctccta ctgtacacta 240

aaatatcatc aaaataaaca actacaaatc tacctatgaa atcccttaag acatgatgca 300

taagcctcat aaaggtgctt ggtgcattag tgagcccaaa aggcatcact agccattcat 360

acaaaccaaa cttggtcttg aaagccgttt tccactcatc actctttt 408

<210> 3306
<211> 448
<212> DNA
<213> Glycine max

<400> 3306

tatccccata agagtgcaga acagctggcg agtcagcatt gattatatga ggctaatcca 60

ggtaaccaaa aaagatcatt ttcccctgcc attcattgat caaatgcttg agcgcttggc 120

aagtatgtct cattacaatt tttttatggc ttttctggtt atttacaaat tcatattgct 180

cctgaggatc aagaaaacac cacattcacc tatccctttg gcatttttgc ctataggagg 240

atgccctttg gcctatgcaa cgcctctggt accttccaac ggtgtatgct tagcattttc 300

aatgattttt tagagagttg catagatgtg tttatggatg attttactgt ttatggatcc 360

tcttttgatg catgtttgga tagtctagat agagttctta atagatgcat tgaaactaac 420

cctgtgctga attttgaaaa atgtcact 448

<210> 3307
<211> 442
<212> DNA
<213> Glycine max

<400> 3307

agcttcgaca tcagaccact tccgggtgct ggttctactt cacatggatt tgatggggcc 60

tatgcaggtt gaaagtcttg gaggaaagaa gtatgcctat gttgttgcgg atgatttctc 120

cagatttacc tgggtaaatt ttatcagaga gaaatcggaa acctttgaag tattcaaaga 180

gttgagtcta agacttcaag gaaagaaaga ctgtgtcatc aaaagaatca ggagtgacca 240

tggcagagaa tttgaaaaca gcaggttcac tgaattctgc acatttgaaa gcatcactca 300

tgagttctct gcagccatta caccacaaca gaatgggata gttgagagga aaaacaggac 360

tttgctagag gctgcttggg tcatgcttta tgccaaagaa ctttcctata atctctgggc 420

tgaagccatg aacacagcat gc 442

<210> 3308
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3308

agcttnacca ttcaatgaac ataaaaactt gctaggagac attcataatg ctctgaatat 60

agaaatgtat gacagaacaa aattttgttc tccaacaaat aaacaatcaa tcaaatgaat 120

gtttattatt attatgctgt aataatttgt gtaattaaca gaagacctct agtccataca 180

atacaccggc gtgttgtcgg tgctcatcct ttacaaaata aatgtcaaca atcttctgga 240

acgcgtgcca cgtgagcaag ctgtctgacc cagcctggtg gcactgccct acggcgcgtt 300

ccacgttaag cgaccgggcg acgcggtcca atccgccgta gagcgtgtca cagaacctca 360

tcatgtgctt gacatcataa acgttgtgcc caaaa 395

<210> 3309
<211> 318
<212> DNA
<213> Glycine max

<400> 3309

tctgttttca attacgagcg tctcgatata ttacgggact ctatcttaca tccgagtaaa 60

aagttattgt cgtttgattt ttctcaaagc ttcagttttc aatttcgagc gtctcgatat 120

actgtgggac acaatcggac atccgagtca aaagttattg tccgatgaat ttgctcagcg 180

cttctgtttt taatttcgag cgtctcgata ttttatgggg ctctatccga catccgagtt 240

aaaagtcatc gtcgattcat tcttcttaga gcttcccttt tcaatcacga gcgtatccat 300

attctacggg acaccatc 318

<210> 3310
<211> 514
<212> DNA
<213> Glycine max

<400> 3310

gcttgaacct tgaatcttga ttcttgaaat caactttcct cttgaatctt gaagtgttgt 60

tcttgattct atcttgaaca tcttgaactc attctttgat tgacctttga gctttttgtc 120

atcacctttg tcatcatctt tgttatcatc aaaacatctt tgaatcaatc ttgattcatc 180

atgaagcttt gcgtctacag ctggatcaac acaattctca tgctaaaagt tttagaatgg 240

ccagggatag attggcagat gatcaagccg ataatatcaa attgcaactg atagctgctc 300

ggggaaaaga tggccatgca tataatatgc ctaatgttcc cgatattgct gcactaattg 360

ttggcgattt tcatccaggc tcaaaaagag atattattgt tgaaactcaa aatggagaat 420

tacaaagaat ccatgaactg caccatagct atctaccact acagtacctt ctactctttc 480

cttatggaga agatggatat agagctgaca tact 514

<210> 3311
<211> 727
<212> DNA
<213> Glycine max

<400> 3311

tcaacaatga ttttccattt atcccttcat gttcaggaat attctttctt gcaagctaag 60

aattgttgaa caattactta ttgtatgata ttgatatttt ttataacctt catctgattt 120

taaatctaaa atgataatgt aaagagataa tgaggggaaa aactagaata aatattattt 180

tcaatttaaa ttcaaactat cttttgttaa tagataacac aataattttt ttaataggag 240

agggacaaag aaaaaaaaaa caaaagcaac tacaaatgtg gaaacttaat tcccacactt 300

aatcagcttg aagtggatgt gatcattagt agttgcttca tgtttttcta aaaaatcaac 360

tgatacattc tattataaag atttaatttg aattttacat aagacaaata tgatagttaa 420

aaaaactctt ataagataag ctatataaag aggtgactga taaaattgta taacacatta 480

aagaaaacat taaatactat acaagcataa aaaatataag attatatata tactatgtgt 540

gtatatataa tcaactaatg taattagctt attcaaatta ataatagcta taacacgtat 600

aaatattttt atatgtataa attaattaaa acatatattg gattttctct ctccctctct 660

ttcggttaaa agaaaagata aattcaatta ttaaagataa tgtgataaat ttccttttaa 720

ttttttt 727

<210> 3312
<211> 566
<212> DNA

<213> Glycine max

<400> 3312

tgaaatagaa caacggatgc cctccagaaa ttccaatggt cataactttt cacacagatg 60

tccgattcaa gcgcataata tatcgagacg ctcgaaattg aacaacggaa ccagtcgaga 120

aattcaaatg gtcataactt ttcgctagaa tgtacgattc tgggacataa tatattgaga 180

cgcttgaaat tgaacaacgg atgcgctcga gaaattccaa tggtcataac ttttcacatg 240

gatgtccgat taaggtgcat aatatatcga gacgctcgaa atttaacaac agaagctctc 300

gagaaattca aatggtcata agttttcaca tggatgtccg attcgggcgc atgatatatt 360

gagacgctcg aaattgaaca aagaaagctc tcgataaatt taaatggtca taacttttca 420

cacgaatgtc cgattcaagg acttaatata tcgagacgct caaaattgaa caacggaacc 480

tctcgagaaa ttcaaatggt cataactttt ttctcggatg tctgattctg gcgcataata 540

tatcgtgatg atcgaaattg aacaac 566

<210> 3313
<211> 576
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3313

agctttagct tcttaaggaa gttttctcaa agaagcttct caaggaagtt ttcttaagaa 60

agcttctcaa ggaagttacc tagtctataa ataaaagcat gtgtaacact tgttataact 120

ttgatgaatg agagtcttgt aagacacaac tcaaagttca acttctctcc ctttttcttc 180

cttcaatttc gtgctccctc ctctctttct tttagcaaat gctcaccccc ccctctaaaa 240

tttaattgga ttgggcttct cccaattcaa ttaaatttat tttcaaccac acacatcaaa 300

tattcactta atgcatgcca aattagaaaa ctacccctaa tacaaaaaac tagtctaggt 360

gccctaaaat acaagagatg aaaaatctta catttctagg gtaccttaac tatattgtgg 420

agccctaaat acaaggccca aaaataatga aaccttaatc taatatgtac aaagataagc 480

gggctcatac ttagcctatg ggtccgaaat ctaccctaag gctcatgaga accctanggc 540

cttctcctgc atctctggtc caatcttctt ggagtc 576

<210> 3314
<211> 573
<212> DNA
<213> Glycine max

<400> 3314

catgcaagct tcaagaatta tggcctcatc aaactacttg ttttctctag gaaattctat 60

aaataaaact tccatttttt aaggaatggg gtaaccacca ctggaaaacc cgcatgcaaa 120

tctttataga ggcaatagat ttaaatattt gggaagccat agaacaagga ccttatgttc 180

cctctataat ggccggaagt gcaacaatag aaaaacctag agcagattgg actgaggaag 240

aaagaagatt agtaccatat aatttaaagg ccaaaaatat tattacatct gccctaggaa 300

tagatgaata ctttagggtt tcaaattgta aaagtgctaa agatatgtgg gatacactac 360

aagtaacaca tgaaggcaca acagatgtta aaagatctag gataaacact ttaactcgtg 420

aatatgaact ttttaagatg aatgtaaatg aaagtataca agacatgcaa aagaggttca 480

cgcacatagg taatcatctt gcatctctag gaaaaacttt tcaaaatgaa gatctagtaa 540

ataaagtctt aagatgtctt aatagagaat gac 573

<210> 3315
<211> 352
<212> DNA
<213> Glycine max

<400> 3315

tccttgatag aatgtccatc cactacaaca tgttttgtgc gatcaagaca aactggattg 60

ggtgctctag ctatgggtgc tttattaaca caaaacagat ccattggatc ttgagctgaa 120

cacatgactt actctaccta cctcttctac cagaagatgc ctcacgctca tatgaccata 180

cctctaaact gcgcttctgc actagataac acaaccacct tctgcctttt actgctccga 240

gagacaagat ttcctcccac aaatgtgagg tcacctgata tggaatgttt agtagttata 300

ctccctgccc catctgtatc aatataaccc tgaatgtgct gatgctatct tt 352

<210> 3316
<211> 491
<212> DNA
<213> Glycine max

<400> 3316

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ccttaggacc tgaagtggta caacaaacca caaagaaagt caatttgatc caagaaagga 120

tgcccactgc tcaaaatagg caaaaaggtt atcatgataa aaagaggaag gatttggaat 180

tcaagggtgg tgatcatgta ttcttgagag tcacgctgtg gactagggtt ggtcgagcat 240

tgaaattccc aaaactcaca ccttgcttta tcggcccttt ccaaaatctt aaaaaaattg 300

gccctgtggc ataccaaatt gcatttcccc cgtctctttt taatcttcac aatgtctttc 360

atgtgtctca actccctaag tatatccatg atccatccca tgtgattgaa ttggataacg 420

tacaagtgaa agagaatttg acatatgaaa cattgccttt gacgatcgag gataggcgaa 480

caaaacacct a 491

<210> 3317
<211> 427
<212> DNA
<213> Glycine max

<400> 3317

tgcatgattt acatctcccc ctttctcaag caaattcttc ttgatatcat caaaatcttc 60

atgatcccga ctcgttggtg gaggatgcgt gaatgacaat caattcatgg ggctaccaat 120

aaaaatggag aatggaggat tagcgaataa cgctacgcaa tcaattcgcg gttctaccga 180

ctcgttggtg gaagatgaat gaatgacaat caactgatgg ggctgcgaat aaaagtggag 240

aatggaggat aggagaatag cgcgtggcaa tcaattcacg gggctgcaga ctcgatggtg 300

gaggatgcaa gaatgacaat caactaatat ggcttcgaat aaaagtggag aatggagaat 360

aggcgaacag cgctaggcaa tcaattcggg gggctgccga ctcgttggtg gaggatgcat 420

gaatgac 427

<210> 3318
<211> 538
<212> DNA
<213> Glycine max

<400> 3318

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aaagttattg tcgtttgaat tttctcagag cttcaacatt caatttcgag cgtctcaata 120

tatgacggga ctcaatcaga catccgagta aaaagatatt gtcgtcttaa ttggctcaga 180

gcttctacat tcaatttcga gcgtctcgat atatgacggg actcaatcag gcatccgagt 240

aaaaagttat tgtcgtttga attggctcag agcttcaaca ttcaatttca agcgtctcga 300

tatatgacgg gactcaatca gacatccgag taaaaagtta ttgtcgtttg aattggctca 360

gagcttcaac attcaatttc gagcgtctcg atatatgacg ggactcaatc agacatccga 420

gtaaaaagat attgtcctct gaattggctc agagcttcga cattcaattt cgagcgtgtc 480

gatatgttac gggacttaat caggcttccg ggtaacagat attgtcgtct gaattggc 538

<210> 3319
<211> 534
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3319

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taacctaagt taacaaaaaa aaattacaac tgtcaactgg ttatcaaggt ttaaaaaaaa 120

aagtctgcaa catcaaagtt tccaagtggc agggaaaggc ggagagctaa taacaaaatc 180

accaaatcaa ccaacacaaa tctcaatatc tatcaactaa ctgatcgaat ttcttcaagc 240

aaaaagctaa catttaacag aattttacca aaaaccaagg catcacaaat ccgatcgaat 300

ataatacaat ctcaattcaa gccaactgtt caaagatttt accaatctcg acgccaagac 360

cctacatccc gcatatgaga aagttggaac cgaagagcct ttgcatgatc tctcgcccat 420

acacggcgag ttgtcagctg tggagatcct catcgatgtc cggcgggttt gatttgccca 480

aagccatatt ggacgctcct tcactcgcgt ncccgctgtt gctgcatata gtgc 534

<210> 3320
<211> 670
<212> DNA
<213> Glycine max

<400> 3320

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tatctttcaa tatgatacat tcaatgatat tgcatttttt ggatcaagtg gcctcaaaat 120

aattaagaaa ggggggttga attaattatt aacgtgtctt gactaattaa aaatttatcc 180

ttcttaatgt tactagattc aatcaagctt tactactaag ttatgagaaa gtaaagaaca 240

gaaacaataa cttagacaaa agtaaagcga acacaacaaa aagataaaga gtgtagggaa 300

gaagaagaca aacacaagat ttatactggt tcggccacaa cccgtgccta catccagtct 360

ccaagcaacc accggttctt gagatttcca ataatcttgt aaaatccatt acaagcaaag 420

acccacaagg gatgtaccct cccttgttct ctttcaacaa ccaagtggat gtaccctcca 480

cttgaactga tccacaagag atgtaccgtc tcttcaatgt ctttcttggt cttcctctgt 540

tccttttaaa aaaaattaaa aatcatgcaa tctactttta gcaccaatgt atccaacatc 600

tttctttata tgtttgcaaa ccatcttacc aatttttctt ttggcatctt tttgtggagt 660

cacttgatgc 670

<210> 3321
<211> 513
<212> DNA
<213> Glycine max

<400> 3321

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tagcatcatt tctggcacta aattgttggg agtttgaagc catcttctca attaaatttc 120

tggcttcagc aagggtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tttccatgtt attgagtcct ttataaaaat attggaggag aagctgctca gaaatctggt 240

ggtgagggca actagcacat aatttttaa atctctccca gtattcatat aggctctctc 300

cactgagttg cctaatgcct aaaatatcct ttctgatggt cgtggtcctg gaagcacgga 360

aaaatttttc taaaaatact ctcttgaggt cttcccagct cgtgattgtt ggaccttgtg 420

gcctcagata tcttaagaag ggggggggttg aattaagata acacgaacta ttccccaatt 480

taaatcttgc tctctctctt taattaacaa tgc 513

<210> 3322
<211> 438
<212> DNA
<213> Glycine max

<400> 3322

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tgttgttttg attataatga attaaatgaa gagttcattg ttttagggtt caagatgtgt 120

acttgcaggg gaccatcttc aacttcctcc aaccattcaa agtgttgaag ccgagaagaa 180

aggcttagga agaacgctct ttgaacgact tgcagaagtg tatggagatg aaatcacatc 240

gatgcttact gtccagtacc gtatgcatga acttatcatg gattggtctt ctaaagagct 300

ttacaacagt aaggtactcc cagtttttaa agtgtgtctc aagattgcat tcattgtaaa 360

gcaatcttta tatgccacta caaagcataa tttatcaatc ctgaactgca aaattctatt 420

atgttggggg ggtggggg 438

<210> 3323
<211> 618
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3323

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tgggtcaaag caaaccactg tgcaatcaaa gttctatcta gatcaaggtt gtcaaaatat 120

taagtggcct tctaatcttt aattaacttg tgtgatatta atgtgttttg attatacatt 180

atgtttttct ttaaaatcta ttaattggta ttttttggat cactatataa ttgatgtgaa 240

gtgtatatta agtttgttga tgattaattt ttgttaagaa atttgactga ttatttttaa 300

tgaaattttt tcactaaatc atatatataa agctcaaatc tgatattatt ttaaaaaaaa 360

tcaaattcaa tttcattcaa attaatgatt ttttggtatt tatttattgg tatgaattac 420

taagatggtg cattttgaga ttgttacgtg ttagattaac attaaaattt tagattcatt 480

aaaccaaact ttttttaatt ttcattttga tcaaaattga gaaaatacgc gggggattct 540

tttttatcat atttttgnga tattgngttt tgtatgtaat aattaataaa aaaaattaag 600

gaggtcaatt tttttttat 618

<210> 3324
<211> 301
<212> DNA
<213> Glycine max

<400> 3324

ttttttttgt gaaactatct catcctcttt ttcaagtgta aaatgaagct tgacaagttc 60

aggtgcaagt gctgctactg gtggaagcac ttgaatttgg ttgcctgacc acaaagggat 120

ggcactccca tttttcgaat tttgcacagt ttgggaaagc aatttgttat aattttggga 180

ctgagcttgg ttcaactgag tagccatctg ccccatctga tttgtcagac tctgaatgga 240

ggctcttgtc tcttgctgaa atttcatatt ctggatggtc atttgcctca ctaattcttc 300

t 301

<210> 3325
<211> 674
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3325

tcgagccaaa atcctgactc accataaacc tggacccagg gtggaaatgt caatccttac 60

cctcggaagc aaaaagaata gaaagggaat ttccaatcaa aaaaaataga aagaaaattt 120

cccatggaag ccaaaaaaga aaagaaagaa aattccccaa tcaaaaagtg ggagaaagca 180

aaaagaaaag aaaggaaatt cccaatcaaa gaatgggaga aagtaaaaaa ggaagaagaa 240

gaaggaaaga aagctcctga tcagggatcg aaggaaaaac agaagaaatg tgcagagagg 300

tctttagacc ggacaatatc tgaacaatac agaattgtca ccaaatgaac aaaaagaagg 360

aaaggaaacc acgacctaaa atggtcttct ccctttgatt accaaccaaa atcccgtgcg 420

ctagcgactt tttcgccccg cactaaacaa aaaaacagaa aaagaaaaag ccaacaaaaa 480

atcaaaagcc aaaaacacac aaaagccgaa aaacccacca aaagaaccca ttcccaaggg 540

aagtcctatt gatccatgat cacacatgnt aattttgatt tgataggaaa taatttgcaa 600

agtcaagtca tgatatatct atggttcgga attaggatga aacacttacc tgtgcgagat 660

tgatacactt tgag 674

<210> 3326
<211> 575
<212> DNA
<213> Glycine max

<400> 3326

cgacctgccg gctgcaagct taaaacccct tgttcattac taaacaagct gatttttta 60

tcacaatcac aagcaagatg ctctaacatg tagaagaaaa caaattcaaa tgaaatgcaa 120

taaaaagtag agaagggaaa gaaaggctaa gctgcctccc aataagcgct cttttaacgt 180

cattagcttg acgcctcttt ctgttatcca agatcaaaca aggttcctac ttcaagcacc 240

ttcttctcag gtctcctttc ctccatccca tgcactttta gacagacatt ttggctaggt 300

ggatctttgt cctcatggaa caaatcaaag ctgatcttct gatcttctat gcccatttgc 360

agcattttct ttcccatgtc tacgacgcag ctcgcagtag acatgaatcg gcatccaaga 420

atgagaggaa tgtcaacatc ctcttccata tttatgacaa caaaattagc tggaaatata 480

aggtgcttat ccttcaccaa aacatcttca atgactccat atgggcttgt gatggagcgg 540

gcaactaact ggagggtcat gcctgtgggc attat 575

<210> 3327
<211> 604
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3327

agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa gaaggggggg ttgaattaag atattcccaa cttttctcct aattaaaaat 120

ctatcttact ttttacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180

tcaaatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240

agagaaaatg caaactcagt tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300

ccccaagcaa cccgcttgag agttccacta acttgtaaat tccttttaca agttctaaac 360

acacaaggac aacccttcct ttgtgtttag agattcttta caacaagaga ctcacagtct 420

cctaatccct tagagaatga gaagaagaag aggaacaaat ctctcttgaa agagatggat 480

tntacagatt gagcactcaa ttaattcctt aatgaattgc aatgaattgg ccaaggaatt 540

ctttaagagg ataaaatgaa attgcttttt gagaggataa acactttgtt gttctgaaaa 600

ctct 604

<210> 3328
<211> 339

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3328

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cgaggctata cgagacatct tgccaaacag aagtgggtta gccataactc gcatgtgctt 120

tttcttacat gccatatgta gcaaagtcgc tgatcctatc aagtttgatc acctggaaaa 180

tgaggccgca attatactgt gctaggtgga gatgtttttt ccccctgctt tctttgacat 240

catgattaac ttgattgtgc atctggtcag agaaatccaa tgttgtggtc ctgtttatct 300

acggtggatg cccccggttg agtgacacat gaagatctt 339

<210> 3329
<211> 507
<212> DNA
<213> Glycine max

<400> 3329

gtcacctgcc gcatgcaagc ttccttcgag cagcaaagcc atagagtaaa atggttgtac 60

aagagaaaac ctttagtatc aaaaaaagaa ggggaaaatt aaaggctcgc ctagtagcaa 120

aaatgtattc acaattgagg agccttgatg atgaatcttt tttttgtaac tttatatgaa 180

tgatatattg attattggta accatttgca tgatgtgaat gagttgaaat tcatgttggg 240

tagggagttt gacattaagg acatggatcc taccaagaaa attcttggga tgaagattca 300

tcaagataga aggtccaaaa aattatggct ctcacaacaa gtttatgttg caatgtgctg 360

gacaggtttt gcatgagtaa tgctaagtct gtgaatagtc tacttgtaaa ccacttcaag 420

ctttttgtag attagtgcct aaagatagat taggaagtgg aatacatgtc aaaggttcca 480

tatgccattg gatttggttg gttgatg 507

<210> 3330
<211> 419
<212> DNA
<213> Glycine max

<400> 3330

tgccgccaca gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60

agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaagaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc atgagtttgt tgaaatggat tatttgcttc acaaagcaat 360

ccaagtggag caacaattaa aaaagaaggg agtggctaag aggagtttta ccaactttg 419

<210> 3331
<211> 492
<212> DNA
<213> Glycine max

<400> 3331

agcttcggta ttcaatttcg agcatctcga catattacgg gactcaatcg aacatccgag 60

taaaaagtta ttgtcgtttg aatttgctca gagatttggt cttcaatttc gagcgtttcg 120

atatattacg ggactcaatc gaacatacga gtaaaaactt aatgtcgttt gaatttactc 180

agagcttccg tattcaattt cgagcgtctg gatatattat gggtctcaat cacacatccg 240

agtaaaaagt tattgttgtt tgaagttgct caaagcttca acattcaata tcgagcgttt 300

cgatatatta cgggactgaa tcatacatcc gagtaaaaag ttactatagt ttgaagttgc 360

tcagagctta ggcattcaag tccgagcgtc tcgatatact acgagactca atcagacatc 420

cgagtaaaaa gttattgtcg tttgaatttg cttagagctt tcgtcttaaa tttcgagcgt 480

ttcgatatat ta 492

<210> 3332
<211> 449
<212> DNA
<213> Glycine max

<400> 3332

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attcctaatt ttcaacttac ctatttggaa gtgacatcat ggcagttagg tcccagcttt 120

ccattgtgga ttcagtcaca aaaccaactt taatatgttg gactatctaa cacggggatt 180

ttcgattcta ttcccacaca gatgtgggaa gcactttctc aggttttgta tttaagcctc 240

tctcgtaatc atatccatgg tgagattggg actacattaa agaatccaat atctgtccca 300

actattgatc taagctcaaa tcacttgttt ggtaaattac cctatctttc aagtgatgtg 360

cttcagttag atctttcaag caattcattc tctgaatcca tgaatgactt tttatgtaac 420

gatcacgacg agccaatgca attagaatt 449

<210> 3333
<211> 611
<212> DNA
<213> Glycine max

<400> 3333

ttgatgtgtt ctaaaagttg gttatggaat tcagagaatg catgtaatat tctgaatgct 60

tatgtgatac tttatgaatt gcttatattt ttaaaactta taacttgtta tttattattt 120

tataattatt atttataggt tctagatcaa ttgaagaatc aacgtttact gatgagattg 180

aatccgatga tgaaggtata ttcactttta gtggttctaa tttttttaa tatcattata 240

catatctaat ttttcaaatt ttttaaaata taggtggatc tttggtcagt aacattactc 300

aatgtttgca agattagtag acattattgt tgatcggtaa agtaataact atacttattt 360

actaatgtga tgtgtgattt taagatttga aacatctaaa atatgatgtt tgattttata 420

aataccaagt tgagcgcttg agaagaaatg ttaatgacat gtttggtgaa gttggtggtt 480

attttgatga tggacattgg tttcattttc tatttatttc taatttggtg taatttgaac 540

taatgaacat ttgaattatg gtgcttcata tttgacggta tttatttacc cttaaaaaaa 600

taatggaatc a 611

<210> 3334
<211> 450
<212> DNA
<213> Glycine max

<400> 3334

ttagacgcac tataccaacc tctaggatcc agggacggcc aattatctat atataggctt 60

gctaagggta gagagaggaa gactagagat ttggatcaag taaggtgtgt taaggataaa 120

gaaggcaaag tcttagtgca tgaaaaagat atcaaggaaa ggtggaaggc gtatttccac 180

aacttattta atgatggata tggatatgac tctagcagtc tagacacaag agaagaggac 240

cggaactata agtactatcg tcggattcag aaacaggaag taaaggaagc gttgaaaaca 300

atgagtaacg gtaaggcggt ggggccagac aacataccta ttgaagtgtg gaaaactctt 360

ggagatagag gtcttgagtg gctcaccaaa ctctttaatg aaattatgag gtcaaaacgc 420

atgccggagg aatggaggag aagcatgtta 450

<210> 3335
<211> 416
<212> DNA
<213> Glycine max

<400> 3335

agctctgaca agacaagaca cactgctgtc ttgttcaaca agataaaaca gagaaatcta 60

ttctaaagat acatataatt ataacccata attataatac tccccttcaa gctggagcat 120

ataaatcgta tgcaccaagc ttggaacata taaactgaat cctaggcccc cttaaaggtt 180

tactcaaaat atctactggc tgatcattag agttaatgaa ttcagtgaca atctctttag 240

acaatagctt cttccgaata aagtgacagt caatctctat gtgcttggtc ctctcatgga 300

agactgggtt tgaagcaatg tgaagagcag cctgattatc acaatataac ttcatttgca 360

ccactttgca aaaattcaac tcttcaagaa tttggttaac ccacataagt tcacac 416

<210> 3336
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3336

cattgcatac catatctgca gggagaaatc ttactacttt atgaactgtt aaacggtcgg 60

tcagacagag aacaataatt gacaagattt aagtaggttt ctaccttctc tctgctctta 120

ggccactcaa ttgggcgttt ataaccttca cgaacaggaa caatgcangt aggacgttct 180

tcaggacagt gcctttctcg atgttcatag tgtttactac tctggagact cctaatagcc 240

tctcagttat tgaggccagg tataaaatca ggaccagcag tgacattaca aagcttccac 300

ttgtatccaa ttggctgctt ggaagactct tgagaatcct tttcattc 348

<210> 3337
<211> 470

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3337

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gatatgaaca atcgtatgaa gattggtaca gttgaagtga gacacgacct ttaccacctc 120

acactagacc aaataaccac caaagccgta tgctccacta ttattcatcc tctgtcatac 180

cccatttttg acccgttttt atttcttttt tctcgtcttt taagccggaa atttccatca 240

tttcagatga aatttcggca gggaggtatt ttaaaatacc tcatttttgt tttgaagacg 300

ccccttttt tattattatt atttatttat ttacctttt tattattatt attatttnta 360

tttttagtta ttatttttctt ttcttttcct ttcctggtta taagtgtttt ttattatttc 420

cgtnttttttt attattatct ttattagtat cttctnnttc gttttttttcg 470

<210> 3338
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3338

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ggccaaaatg gtgatagttc aacaactttt cctataataa tcagcgttgg tgacaccagc 120

tgagcagatg taattttctc gtgaaggtcc tttagttcag caaacacctg catcatagca 180

aaataatcag ctattggacc tagcatccgg aaaagttgaa ttaagaacca gctatatata 240

gattcacaca caattgtatt tatttatcag tttttaatat caaccatgca gaagtacaaa 300

ataaaatgtc tcaaattcac aactacctcc taaaacaaaa cattattaag atcactatat 360

cctattagcc ttgactgtag tgtcaggtac actttcttca caccctcac attcaatctt 420

taattgttga atatctttta ctacagntaa tttgtcaaga 460

<210> 3339
<211> 385
<212> DNA
<213> Glycine max

<400> 3339

agcttgtaat tcctgatcct tatataacat atgttgtaaa ggttgggact ggaacgagtc 60

accaatggct ttcttgagga gagagacatg aaagatcgga tgaattttac tgtgagatgg 120

aagatccaac ttataagcaa caacacccac ctagtttaac acttggaaag gaccataaaa 180

ccgaggggag agtttttcat taatcctttt agccaacgat cttcttctgt aaggttgcat 240

cttcaagaac acccaatcac tgactgcata ttctatgtcc cgacggcgtt tgttgacatt 300

cgctcacatg atatcttgag acttcaacaa attttctctt agagtagcca ataattcatt 360

ccgagcaatt gttagtttat tgact 385

<210> 3340
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3340

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tctaataatt ttcacattta tgtctaattg ccctttttatt tcattgtagt aaatttctaa 120

ggcatacatt gcctaagaaa tctcgggcag taagtagaca taaccgtaat gtgaataatc 180

atcaataatg gtgataaaat atcattcctt tccgaaagaa ctaacatcaa aaggtccaca 240

aatatcagta tgcacaattt caagaagctg agtgcttctt gtagctcttt tctttgtatg 300

ttatgcttgt tttcccttaa tacaacccac acaaatattt agatccataa gatccacata 360

aggaagagtt tcattcttta ttaatctttc catcctttct ct 402

<210> 3341
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3341

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tgctttgctg atggcttctt gccgttccaa gctgtaattg gagtcttgtt ttttacagct 120

tagctggaca tttgttgagt atgtaaacag cagtgtagac tgcttcacct caaaatgtgc 180

tagggccgcc cctcctcctt gagcatcgat ctcaccatct ccataactat gcgattcttt 240

ctctcggata ctccattttg ttgaagagaa tatgcgactg taagttgccg ctcaatgcct 300

ttcatcctca taaaatc 317

<210> 3342
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3342

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agaagaatgt ggcatttacc tgnggtgaaa aacaagagca agcctttgct ttgctcatag 120

aaaagcttac taaggcacct gttctagctc ttcctgactt ttctaaaact tttgagctag 180

aatgtgatgc ctcttgagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240

cttantttag tgaaaaactt catagtgcca ccctcaacta ccccacctat gataaagagc 300

tntatgcctt aataagagcc ctccaaactt gggaacatta ccttngttcc aaggaaattg 360

tcattcatag tgatcatcaa tcacttaagt 390

<210> 3343
<211> 217
<212> DNA
<213> Glycine max

<400> 3343

aagttatgac catttgaatt tcctcagagc tacctttgtt caatttcgag cgttttgata 60

tattatgcgc ctgaaacgga cctccgagtg aaaagctact aacatttgaa tttctcgaga 120

gcttcccatg gtcaattttg agcgtgtcga tatactatgc gcctgaatct cacctccgcg 180

tgaaaaggta tgaccatttt aatttcttaa gagcttc 217

<210> 3344
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3344

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attttggag agcttccgtt gtgcaatttc gagcgtcttg atatattatg cccctgaatt 120

ggacttccgt gtgataagtt atgaccattt gaatttctag aaagcttccg ttgttaattt 180

cgagcgtctc gatatattat gcgcttgaat cggacttncg tgtcataagg tatgaccatt 240

tgaatttctc cagagctttc gccggtgaat ttctggcttc tcgatatatt atgcacctga 300

atcagatttt cgttttgaaa ggtatgacca ttttaatttc tcgagagcat tc 352

<210> 3345
<211> 372
<212> DNA
<213> Glycine max

<400> 3345

agctctgatg caacatatgg agaggttaat gaatttacaa gatgatgcgc tccatgagag 60

gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tcgtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat cccgacgcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240

ccacaactat gaggaggacc acaaggtgaa gcttgcccgc acggagtttt ccactatgct 300

cttgtgtggc ggaacaagct acaaaaggag agagccagaa atgaagagcc catggttgat 360

acatggaccg ag 372

<210> 3346
<211> 448
<212> DNA
<213> Glycine max

<400> 3346

tatatacaga aatgcttgga ttgtctacaa gctaaatcaa actatacact gccagcagga 60

ctactccaac ctttacctat tcctcaacaa gtttgggaag atgtagccat ggatttcatc 120

acaggtttac caaattcctt tggattatct gtcataatgg tagtcattga tagactcacc 180

aaatatgctc atttcattcc attaaaagct gattataaca gtaaggtggt agcagaggca 240

tttatgagtc acatagtcaa attacatggg ataccaagat ctatagtgtc tgatcgagat 300

agggttttta ccagtacttt ttggcaacat ttattcaagt tacaaggtac tacattggcc 360

atgtcatcag cttatcatcc acagtcagat ggacaatctg aggtgctgaa taaatgtttg 420

gagatgtatc ttagatgctt cacgtatg 448

<210> 3347
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3347

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cctcagatat cttaagaacg agggggttga attaagatat tcgatacttt ttcttctaat 120

taaaaatcta tcttactttn tacttaagtt atgaattccc ttaatgacaa tcttcttaaa 180

tattaattca aatgaagcaa cttgaatatg aatatacagc aataataaat aaaggagatt 240

aagggaagag aaaatgcaaa ctcagtttta tactggttcg gccacaccct tgtgcctacg 300

tccagtcccc aagcaacccg cttgagagtt ccactaactt gtaaattcct tttacaagtt 360

ctaaacacac aaggacaacc cttcctttgt gtttagagat tctntacaac aagagactca 420

cagtctctta atcccttaga gaatg 445

<210> 3348
<211> 364
<212> DNA
<213> Glycine max

<400> 3348

gcttaacatc ataccacttc cacggtgctg gaactacttc acatttactt gatggggcct 60

atgcatgttg aaagccttgg aggaaagagg tatgcctatg ttgttgtgga tgatttctcc 120

agatttacct gtgtcaactt tatcagagag aaatcagaca cctttgaagt attcaaagag 180

ttgagtctaa gacttcaaag agaaaaagac tgtgtcatca agagaattag gagtgaccat 240

ggcagagagt ttgaaaacag caagtttact gaattctgca catctgaagg catcactcat 300

gagttctctg cagccattac accacaacaa aatggcatag ttgaaaggaa aaacaggact 360

ttgc 364

<210> 3349
<211> 397
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3349

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attccttagt cacttttgga ggaccttgtg gggtaagatt ggtactaaat tgttgttttc 120

tactactttt cacccacaaa ctgatggtca aactgaggta gtcaatagga ctttangaac 180

actgcttang actgttttaa agaanaatct tanatcttgg gaagcctgtt tgcctcatgt 240

tgagtttgct tataatcgag ctgtccatag cacaactaat tgttcaccat ttgagatagt 300

atatggattt aatcctttga ctcctcttga tttgttgcct atgcctaaca ttgctatgtt 360

taagcataat gatgcacagg ctaaagctga gtatgtg 397

<210> 3350
<211> 346
<212> DNA
<213> Glycine max

<400> 3350

cgtaatcatt caatgcattc ataatacagc cacattcttt catagctgct ctaaaaaaat 60

gaaacagtca tcatctgaga gtaggtaaga tataataggt acacccctac agattttgat 120

gccatgagta tgtcttcacc cttctaactt cttaataaga gcttaaatcc cttcagcata 180

aaggatgaac agaaaaagag aaaggggata tccttttctg agaccccacc atcggatgat 240

aagacccacc aagctttcat tgacagtaac atagtactag acagattgga tgcgaatcaa 300

aatccactta acccaagttg cactaaatcc cattttggtc ttgaca 346

<210> 3351
<211> 428
<212> DNA
<213> Glycine max

<400> 3351

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aaagagaaaa tcgttgccta taaaaatага caaatcctct atgcattaga agtctcaaag 120

tgaccaatga gcaaagagct caagtggcaa cagcatcaga cttcattttg attcctgtta 180

caaactcctg acccttttccg ttgcctcaat tcctaggtct acacagcctc ccttggaacc 240

tggaaaaatc tattaaacta atattgtata tttttatgac ttcagatgga agttttgaat 300

atgctatagg attttgttag tgaaaggagg tcttaaaacc tgcaaaacat aagccagcat 360

ccctacaggc aagagcagtc atcatcatgt gtgaaccatc cagtgaatgt acgaagtttg 420

gaggaaat 428

<210> 3352
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3352

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ttgtcacatc tttttatgtg gttcttgaat ggctatcaaa ggcctatata tatgtgactt 120

gagacacgaa tttgctaaga gtttttcaga acaaaaaggt cttatcctct tataaagcaa 180

aatcgtttta tcctcttaca aattccgtgg ccaaattact tgtgattcaa taaggaatta 240

tttgagtgct caaattgttc aatctatctc tttcaagaga gatttcttct tttcttcttc 300

ttcattctga anagggatta agagaccgag ggtctc 336

<210> 3353
<211> 399
<212> DNA
<213> Glycine max

<400> 3353

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tatgccccca ttcttcggca atacatctga agatgaccat ttggacacgt cgcctctttg 120

tatttatcaa aatctggtac tttaaacttg ggaggaatga tgatgtcagg taccagacac 180

agatcccgct aattcgagaa cgggtagttg ctgaggcctt ctaccactct tagcctctct 240

tcaagtaaat caatctttcc cttgtctatt gcaaagggaa caagttcctt aacgggtgat 300

gatggagaca ggacgtggcg gactatgttt ggttggggca actcatgggg ggccgaatcc 360

ttgatgagaa gtagagggcc taaatgagca tcttcttca 399

<210> 3354

<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3354

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aggcgctgcc aatgtgctaa aatccttcac aagtcgtcta taaaaacttg ctaagccatg 120

aaaactcctc acctcggtca cagacttagg tgtccgccat tcttgaatag ccccaacctt 180

ctcctcatcc acttgcactc cttttgaact cacaacaaaa ccaagaaaca caatatggtt 240

agtacaaaag atgcattttt caagattggc atacaattgt tcttctctaa gcacagccca 300

gacagattct acatgatcaa tatgcaaatc aagtgaagtg ctatagataa gaatactctg 360

aaagtacacc acaacgaant ttcctatgaa ctctctta 398

<210> 3355
<211> 182
<212> DNA
<213> Glycine max

<400> 3355

ccatcttggg atgttcccag cctttgatga cagctttaca ggttctgcta tccagtgatt 60

tgaggaaggg caccattctt gctttccagt attcatagct ggttccatca agaagtggtg 120

gtctgcgcac tggacctcct tctttctcca tgttcataag aatttatctc cctacatctc 180

ac 182

<210> 3356
<211> 429
<212> DNA
<213> Glycine max

<400> 3356

agcttaagct ccttcaactg cacaaggctt ttaatatttg aagagtatcc ttgtggaacc 60

ttcacccgac gaagacactg acaaaaactt atcttctcct ttttggacaa agtatggcaa 120

gctgggggca agtaaattat cttcccatca caccttggat gcaactgtga tcgtatgccc 180

atatcaccta gatcttgacc ggtattctag ccatccttcg tcttgccttg aatgttaagg 240

agcgtcccaa tgacactgtc acaaacattt ttctccacat gcataacatc catacaatgt 300

ctaacgtcaa gatcagacca gcacggaaga tcaaagaaaa cggacctctt cttcaatatg 360

caactctgac ttttatcctt cttttgggtc ttctcaaata cattatctag gtgttgaacc 420

cgctgatat 429

<210> 3357
<211> 313
<212> DNA
<213> Glycine max

<400> 3357

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agatatccaa acgctcgaaa ttgaataccg aagctctgag caaatctaaa cgagaataag 120

tttttactcc ggaagtcaga tgtgaggacc cgtaatatat cgagtcgctc aaaatggaat 180

accgaagctg tgtgctaatt ccaaccacac tacctttta ctcggatgaa tgattcagtc 240

tccgaatata tacaaacgct cgaaatcgaa tacccaatct ctgagcaaat ttacacgaca 300

ataacttttt act 313

<210> 3358
<211> 441
<212> DNA
<213> Glycine max

<400> 3358

agcttctgat aaaaaccgag cagttctaat aagatttgtc atacgaatac ccttacgctt 60

tgcagatata taaggcgaca ttttacgatt ccattttcta gtaccgcggc caaaatgaac 120

tcctgcttcc atcatctctt ccaagattat gtccccatat cttcttgtca tttatattta 180

tccccacact tttctttcat ttcaaaatcg aaattctata aatcttttga aatgaacaaa 240

acagacccgg tatactgaaa tagaaataag tgttccaaag gaaccttctc ttctaccgaa 300

gattggcctt cgataaacga tcgggccatc ttttctattt catacttaat atgaccattc 360

tctttattat ctttctttta ttacacaaca tcaaatgacc gaagatgaat ccgctcttaa 420

gaatcattat tttacgaatt a 441

<210> 3359
<211> 410

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3359

agctntgaat gcactattca ttggagttga caatatcatc ttcagactga tcaacacttg 60

cacagtggcc aaagatgcat gggagattct gaaaatcact catgaaggaa ccttccaagt 120

gaagatttcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgcct gcactgcctt 240

gggagagagg ataacagatg ataagctggt gagaaagatc ctcagatcct tgcctaagag 300

atttgacatg acagtcactg ccatagagga ggccccagac atttgcacat gagagtacat 360

gaactcattg gttctcttca cacctctgag ctacgactct cggatagggc 410

<210> 3360
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3360

agcttcatga tgatgattct agtatgaatc aagttgttnt gatgatgaca aacagtccaa 60

aagaatgatt tcaagattga gtcaacaagt tcaagatcaa gattgatttc acgattccag 120

agaagaaatc aagacgactt ccccagggaa gtactgaaaa ggacttttcc aaaaccaaac 180

atagcgcagt tttgttttac aaaagagttt tctcaaaatt ttctaagtta ccagagtatt 240

tactctctgg taatcgatta ctagtttcct gtcatcgatt accagtgata aagtttcatt 300

tcacaagctc ttaactgaat ttgcaacatt ccaaatgatc tttaaatggt gtaatcgatt 360

acaatatatt ggtcatcgat taccagtgta tctgaac 397

<210> 3361
<211> 415
<212> DNA
<213> Glycine max

<400> 3361

agcttaagac ttcaagatct gaactcctta tttctttgag catttcgtgc aagcttcatt 60

caaggtaagg ggggtctttc cacttcttga accctaacct tgtttttgga agctaggctt 120

cattgcatgt tgtattgatg tttaaaatta tgtatatgtt gccatgacta aaactgtgta 180

atatgttttt ttttttcttga atttttaagg ctaaaatgag ttttttgggt attaaaactt 240

acggttagcc ttaagtttcc cttatatcaa agttttctag caaaagttat gaataaaaca 300

agtttaagga ctttctgtat gaaattctga tactgcggac agatgtccta ccggatgtca 360

cgacatcacg ctctacaaca tgcagattgt acttgactgt atgaacacat taaac 415

<210> 3362
<211> 213
<212> DNA
<213> Glycine max

<400> 3362

cagcttgtgc ctccttacgt ctggaatatg aatgtatcat atacatccaa acacccttaa 60

gtgctttgct gatggcttct tcccgctcca agctctaatt ggagtcttgt cttttacaga 120

cttagctgga cgtctgttga gtatgtaaac agcagtggcg actgcttccg cccacaatgt 180

gttatgtagt ccctttttcct tgagcatcga tct 213

<210> 3363
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3363

ggtttctgga ccgagaatca tctntgcaaa gagccatttt ggagcaattg ggctatctga 60

ggattggtgc ctttctgctg ctgattacct aaactgtgcc ctgctccatt ttccattctg 120

ttacctaggg cttccaattg gaatcaatcc gagaagaaag gtggtgtggg agcctataat 180

cagaaaattt gaggctaggc taaataaatg gaaccagaga aacatttcga tggctagtag 240

aatcactcta attaatgttg tcctaacagc attgcctttg ttctatctgt ccttcttcag 300

ggcccctata gcagtgatta atagattaac tgccatccaa aggcactntc tttggggtgt 360

gtaattggaa gggaagaaaa ttgcttgggt agcttggaga caggtgtgtg cctctagaga 420

aatggg 426

<210> 3364

<211> 396
<212> DNA
<213> Glycine max

<400> 3364

gcatgcaagc tctggcgaga aatatacctt tgagcgggtg tttgcaaggt tggtttgact 60

aatgttgtga gcatcaaagt gccaggcctc ggggaaggac tcatccgctt gtgttcccat 120

ccaaaccgca agcatgattt ccccattatt atgaattttt tggcccttct tgtcctccaa 180

tatgtaccat tgaggagcca aggggctgtc tgggggtacc cgaagaggaa cctcagtgag 240

atcaaacata actctcccca caaaatcatc cttgacaatg tccttatcct tgacggcgac 300

tctaagcaaa tttgattgca gcctgtcctt ggagaaggcg aagatttgat tccagacagg 360

gttctggctc ttgtccaagt gcttggtgag gccctt 396

<210> 3365
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3365

tcaacctcag cagtttaatc aaccacagca gagcaattat gacctttcca gcaacagata 60

caaccctgga tggaggaatc accctaacct cagatggtcc agccctcagc aacaacaaca 120

gcagcctgct cctttcttcc aaaatgttgc tggcccaagc agaccataca ttcctccacc 180

aatccaacaa caacaacaac cccagaaaca gccaatagtt gaggcccctc cacaaccttc 240

ccttgaagaa cttgtgaggc aaatgactat gcagaacatg cagtttcagc aagagaccag 300

agcctccatt cagagcttaa ccaatcagat gggacaattg gctactcaat ngaatcaaca 360

acagtcccag aattctgaca agctgccttc tcaagct 397

<210> 3366
<211> 311
<212> DNA
<213> Glycine max

<400> 3366

agcttctaaa ctttatacaa caatgttgct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa gaaggggggt tgaattaaga taatgcacac tattctcccc attaatactc 120

tatttccatt tcaatgccag ctgcaagttc ccttacaaac gaactcttaa ataatgattt 180

caatacaaca acctgaatat aaatctcaag caataatata ctcaatagtt taagggaaga 240

gaaagtgcca ctcatattat attggtttgg cacacccttg tgcctacgtt aatcccaagc 300

aacccccttga g 311

<210> 3367
<211> 415
<212> DNA
<213> Glycine max

<400> 3367

catgcaagct tctgttttca atttcgagcg tctcgatatt ttacggcgct ctatccgaca 60

tccgagtgaa aagttattgt cgtttgattc ttctaagagc ttccctttc aattacgagc 120

gtctcgatat attacgggac acaatcggac acccgagtta aaagttattg tcgtttgaat 180

ttgctcacag cttctatttt caattaccag cgtctcgata tattacggga ctcaatcgga 240

catccgagta aaaagctatt gtcctttgaa tttcctcaga ccttctgttt tcaattacga 300

gcgtcctgat atattacggg actcaatcgg acactcgagt cataagttat tgtcccttga 360

atctgctcac agcttctatt ttcaattacg agcgtctcga tatattaccg gactc 415

<210> 3368
<211> 418
<212> DNA
<213> Glycine max

<400> 3368

gcttcatgca catgaagtca agtttcttgc ttctaaaagg gattgttagt ttggaagcgg 60

tgttctcttc taccaccgtc tcatcaaggg tttgatcttt tcagacgctg ttgggttcaa 120

aggttgccga gaaattgaag ggccttatgt tgagtatctt gcagaacagt ttgggaagcc 180

tgttttgctt tcaggacctt tcatacctga gccacccaac actgtttttg agggaaaatg 240

gggttcatgg cttgaaaggt tcaagcttgg ttctgtggtt ttctgtgtac ttgggactga 300

atggaagtta ccacatgatc aattccaagg actattgttg ggtcttgaac ttacagggct 360

tccttttttg gctgttctaa aagttccaat tgggtttgag acaattgaag ctgctcta 418

<210> 3369
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3369

cttgctatcc catggaagct cctaatatct cccacactnt ntgtggtggg ccattcttgg 60

attgccttga ttttatcagg gtccacttgg accccatttc taccaactac aaaacctaag 120

aagactatat tatctacaca aaaggtacac ttctctatat ttgcatagag ggtttttttc 180

ctaaggactg aaagaacttg cctgatatgt cctaagtgat catctaggct cctattgtac 240

actaaaatat catcaaaata aacaactaca aatcgaccta tgaaatccct taagacatga 300

tgcataagcc tcataaaggt gcttggagca ttagtgagcc caaaaggcat cactagccat 360

tcatacaaac caaacttggt cttgaaagcg gttttccact catcacccta tttcatcctg 420

aattggtgat aaccactttt a 441

<210> 3370
<211> 212
<212> DNA
<213> Glycine max

<400> 3370

cgtaatatat cgagacgctc aaaattgaat gttgaagctc tgagcccata tacacgacaa 60

tgacctttta ctcggatgtc tgattgagtc ccgtaacata tcgagacact cgaaattgaa 120

tgttgaacct ctgagcatat tcaaacgaca ataacttttt actcagatgt ctgattgagt 180

cccgtaactt atctacacac ttgaaattga at 212

<210> 3371
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3371

ctagaacgtg atgaacttca gtcattattc taatagcacc attatgcatt atatatagnt 60

aaattattct attaattctt cctctacttt attaattcta tttccaactt atttttatg 120

gaaatttaat gtaaaatata ttctattttt tctgttatat cactcaatat ttcttaatta 180

ttaaaaaaag aacgagttat atttgattat tattctatta aattcaaaca attntatttt 240

caaaattttc ctctattttt agaagttgta ttcttaatca attatttcat tcttctttta 300

acattcttta ataactatta taatattatt taataacgta ctatgaaaaa taatcaatca 360

atttatttca tttctttta gtatttttta attaacaata tatctttgta ggtaatatat 420

gtatgctata tcagtttttc agagcaatga 450

<210> 3372
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3372

agctagngaa tgtgttcggg tttggtgttc atgtattttt tctttcctac acctgatcta 60

gcgagagtat atantcttat ccatatgcta atctgatttt ctatgatcaa ttgcagtgtt 120

agtgtgtttg gcgtctcaac ataactaatg cagtgttcct atgattcaca aggaaacagc 180

gcccccacta ttctactgct aatgcgagaa tgattatact cacacgatgg cctacacgta 240

cgtaccaata atattatata ctctgtcatt tgagccattg actatgattg cgtcactgac 300

tatcat 306

<210> 3373
<211> 436
<212> DNA
<213> Glycine max

<400> 3373

acgacaataa ctgtttactc ggatgtctga ttgagtcccg attatatcat gtatctcgaa 60

attgaatgtt gaacctatga gccaattcaa acgacaataa ctatttaatc ggatgtctga 120

ttgagtcccg taatatatcg agacgctcga aattgaatgt tgaagcttta ggcaaattca 180

aacgacgata actttctact cggatgtcta attgagtccc gtaatatatc gagacgctcg 240

aaattgaatg ttgaacctat gatccaattc aaacgacaat aactatttac tcggatgtct 300

gattgagtcc cataatatat cgagacgctc gaaattgagt gtgatcctct gagccgattc 360

aaacgacagt aatcttttac tcggatgtcc gattcagtgg tgtaatatat cgggacgctc 420

gaaattgaat gttgaa 436

<210> 3374
<211> 436
<212> DNA
<213> Glycine max

<400> 3374

agcttcaaca ttcaacttcg agcgtctcgt tatattatag gactcaattt gacatccgag 60

taaatttgtt ttgtcgtttg aatttgctca gagcttcaac attcaatttc gagcgtctcc 120

atatattacg ggactcaatc agacatccga gtaaaacgct attgatgttt gaatttgctc 180

aaagcttcaa cattcaattt cgagcgtcta gatatattac aggactcaat caaacatccg 240

agtaaaatgt tactgtcgtt taaatttgct tagctctcca gctttaaatt tcgagcgtct 300

cgatatatga cgggactata tcagacatcc gagtaaaaag ttattgtcat ttgaatttgc 360

ttagagattc aacattcatc ttcgagtgtc tcgttatatt acgggactca attatacatt 420

cgagtaaaaa gttatt 436

<210> 3375
<211> 437
<212> DNA
<213> Glycine max

<400> 3375

agcttatcgt aaccgattac acatttattt ttgagacaat gattgatttt ttaggagtct 60

ctgctttaat ccattaccag tagatataat cgattacttc tctcttaaaa agtgtttcag 120

aagtgatcaa gaacacttta atcaattaca tcaaaaatct aatcgattac attgttcttg 180

aaagttttcc aatttttggg aagaacactt taatcaatca aaatggtaat aatcaattac 240

ttctttgaaa taattgatta cattgtatat ttaattgatt acaggcagtt attacgagct 300

ggtataagct agaataacat tattagaaaa tatgtttttt acatcggtta tttatgactt 360

tcaacatcgg tttttaaatc gatgttgaaa gtaccgacgt tgatagtatt attggtaaca 420

tcggtttttt aaaaact 437

<210> 3376
<211> 402
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3376

tagagctaat tcaaacgaca ataactntct actcggatgt ctgattgagt cccgttatat 60

atcgaggcgc tcgagattga atggtgaagc tctgagcaaa ttcagacgac aatatctttt 120

tacacggatg tctgattgag tcccgtaata tatcgagacg ctcgatattg aatgctgaac 180

ctctgagcta attcaaacga caataactct ttactcggaa gtctgattga gtcccgtaat 240

atatcgagac actcgaaatg gaatgttgaa gctctgagga tattcaaacg acaataactc 300

tttactcgga tgtgtgattg agtcctgtca tatatcgaga cgctcgaaat tgaatgttga 360

agctctcagc atattcaaac gacaataact ttatactcga at 402

<210> 3377
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3377

agcttcaaca ttgaatntag agcgtctcga tatattatcc tgactcaatc agacatacaa 60

gtaaaaagtt attatcgttt gaaaatcctc agagcttcgg tattcaattt cgagcgtctc 120

gatatattac gggactcaat cagacatccg agtaaaaagt tattgtcgtt tgaattagct 180

ctgaggttca taattcaatt tcgagcgtct caatatatta cgggactcaa tcagacattc 240

gagcaaaaag ttattgtcgt ttgaattagc tcagagcttc agaattcaat ttcgagcgtc 300

tcaatatatt acaggactca atcagaca 328

<210> 3378
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3378

agctngccaa attcttatta tttagcagtc ccaatataat tnttagattg ggagaaataa 60

taaatcgtta ctatatcatt atgagaaata caaccaatct gtgttctaaa caaataatta 120

aagaatacct gaatcaacca tacaacattc tcactgtaca aatcattatt cactatccaa 180

ctggctagtt ggtcccactc actttgcttc ctaccatata ttgatattct atattcagcc 240

atctgtgaat aaataaggca cagaaataag ttaacatcta gatggggata agcatatata 300

aacaacagtc aagaaatggt aaattatagt caacaagtca aaacacattg gccaacatag 360

gtcctcatac tcatgaacat attattgcac tattgngtag tggtaaataa agacgcattg 420

taatt 425

<210> 3379
<211> 378
<212> DNA
<213> Glycine max

<400> 3379

tagttgtacc atgtttagtt tacttgagat cagatggcag aggtgtgaat attggtttgg 60

catcaaccat cttagccttt tcaagcaaat cataaatata tttagcttga gataacaata 120

gagaaccatt actcaaatgt tttacttcaa tacccagaaa ataatccaag tttcctagct 180

gtttaagagc aaaaacaaca tgtagtttgg taattaagtt tcaaataaga actggagatg 240

accctgtgat gataatatca tcaatacata tcaacagata aagacactta gaatcagtgt 300

tgaacactag aagggatgga tcacactttc tttgaacaaa gccaaaagtc agtagtgttt 360

tggttaatct ttcatact 378

<210> 3380
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3380

tccaagagtt gaggcgattg acaacagctc caatgttgat tntgtccgac cctaagagac 60

catttgaagt gtattgcgat gcgagcgggc aaggcttang gtgcatattg atgcangagg 120

gaagggtant tgcttatgct tcacgcccat tatgtcctca tgaagttaac tatccgaccc 180

atgacttgga actagcagct gtggtctttg ccttaaagat ttggaggcac tatttatatg 240

gcactcgttt tgaagttttc agcgatcaca agggcctcaa atacttgttc gatcagaagg 300

aactcaatat gaggcaatga agatggatgg agttcctcaa ggattatgac tttggtc 357

<210> 3381
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3381

gcaagcttct aaactntata caagaatgaa gctctggatt catcttgtta gacaagtggc 60

ctcagatatc ttaagaaggg gggggttgaa ttaagatatc ccaaattact ttccacaatt 120

aaaaatttat ttcactttct tttcaagtta tagattccct taacaatgaa cttcttaaat 180

attaattgaa ataaaacaat ttgaatatga atgtaaagca ataataaaca aaggaggtta 240

agggaagaga aagtgcaaac tcagatttat attggttcgg ccacaccctt gtgcctacgt 300

ccagtcccca agcaatccgc ttgagagttc tactatcttg taaattcctt ttacaagttc 360

taaacacaca aggacaatcc ttcctttgtg tttagaattc ctttacaaca agagacccac 420

agtctcttaa tcccttagag aatgagtaga agaag 455

<210> 3382
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3382

ggaatcttct accccatttc tgacagccaa tgggtgagtc cagtttaagt ggttcctaag 60

aagacatgcc tcacagtgat taagaatgag aagaatgagc ttatccccac aagagtgcag 120

aacagctggc gagtctgcat tggttatagg aggctgaacc aggtgaccag aaaatatcat 180

tttcccctgc cattcattga tcaaatgctt gagcgcttgg caagtaagtc tcattactat 240

tttcttgatg gtttttctgg ttatttacaa attcatattg ctcctgagga tcaaganaag 300

accatattca cctgttcctt tagcactttt tcctataaga ggatgccctt tggcctatgc 360

aacgcccctg ataccttcta gtgatgtatg cttagcattt tcagtggatt tttagagann 420

nncatatagg tgtttatgga tgattttact atntatggat 460

<210> 3383
<211> 451
<212> DNA

<213> Glycine max

<400> 3383

agcttcctta agaagattcc taaagaagct agagcttatc tacacatact ctctctaata 60

gctaagctca cctccttgag atgagaagct agagcttagc tacacacccc ctataatagc 120

taagctcacc cccatgacaa aaaacatgaa aataaaaaaa aagtccttat tacaaagaca 180

actcaaaatg ccccgaaata caaggctaaa accctatact actagaatgg ccaaaataca 240

aggcctagac gaaggaaaaa cctattctaa tatttacaaa gataagcggg ctcatactta 300

gcccatgggc tcaaaatcta ccctaaggct catgagaacc ctagggcctt tccttggatc 360

tctagcctaa tctacttgga gtcttctaac caatgccctt gcggggtagg attgcatcac 420

atacgatatg tcattaagta atgcatttca g 451

<210> 3384
<211> 432
<212> DNA
<213> Glycine max

<400> 3384

agcttcttag tttcagatga tgcagatggg tttgtttcta cctcatgctc tcctctaatg 60

actatggcat catttctggc actaaactgc tgggagttgg aggccatctt ctcaattaaa 120

tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180

cttctctcca tattactgag tccttcataa aagtattgga gaagaagctg ttctgaaatc 240

tgatggtggg ggcaactggc acatagtttc ttaaatctct cccagtactc atacaggctc 300

tctccactga gttgtctaat acctgagata tccttcctga tggctgtggt cctggaagca 360

gggaaatttt tttctaagaa tactctctaa aggtcatccc agctcgtgat ggaccttgga 420

gcaaggtaat ac 432

<210> 3385
<211> 362
<212> DNA
<213> Glycine max

<400> 3385

aaattatctt ttccattatt caatacaaat catttacagc ctaagatatg aagatgtgag 60

atgttcggtt atatgccatt gaacaattca tatggcagtt tctttacaat gggtcttatt 120

aaagccctat ataatatgta gcatgcagtg ctaacgactt cagcccaata gtattttgga 180

agaggagtat catataataa agttttagca atctcttcca aagatctatt tttcctttca 240

acaacaccat tttgttgacg ggttctaggt gcagaaaaga tatgctcaat cccatgctta 300

tcacaaaata ttttagattc tttattctca aactcacgcg catgatcact cctaatagat 360

at 362

<210> 3386
<211> 431
<212> DNA
<213> Glycine max

<400> 3386

agcttatgct gcaaacattt attatagacc ccctcataag caaaaccaac atcagcagaa 60

taattatgat ctttcaagca acagatacaa tccaggttgg aggaatcatc caaatttgag 120

atggacaagt cctccacaac aacaacagcc tgtccctacc ttccagaatg ttgttggtcc 180

aagcaagcca tatgttcctc ctccaatgca ataacagtag cagaagtcac aacaaagaca 240

acaagcaact gaggctcctc ctcaaccttc cttagaagag ttagtgaggc aaataaccat 300

ccaaaatatg caatttcaat aagagacaag agcctccatt cagagtctga caaattagat 360

ggagcatatg gctactcagt taaaccaagc tcagttccaa aattctgaca aattgccttc 420

acagactgtg c 431

<210> 3387
<211> 415
<212> DNA
<213> Glycine max

<400> 3387

agcttgacta ctttggtact gatcatattc tcggattaaa tgatgatcaa tgtcaatgtg 60

cttggattgt tcatgatgag tacagcttga agcatgactt atagcaaatt tattattaca 120

aaatatcatc acagagggca catcaacttt aaagtaaaga agtaacttgc ttaaccaaac 180

aatttcacta gtaacagaag acaaggcaag atattcagat tcagtggatg attttgaaac 240

aatgggttgt ttcttagaac gccaagaaag aaggttgttt cccagaaaga cacaaaagcc 300

agaagtggat cttctggtat caacacagct ggcccaatca gcattagcaa aggcagtgag 360

gttgagagag ttctgagcag atttgatata ttgcagaaga tgatgaacaa catgt 415

<210> 3388
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3388

tgctaaccca tggaagctcc taatatctcc cacactttat gatgtgtgcc attcttggat 60

ggccttgatt ttctcagggt ccacttggac cccatttcta ccaactacaa aacctaagat 120

aactatatta tctacacaaa aagtacactt ctctattttt gcatagaggg tgtttttcct 180

aaagactgaa agaacttgtc tgagatgtcc taagtgatca tctaggctcc tactatacac 240

taaaatatca tcaaaataaa caactacaaa tctacctatg aaatcccttа agacatgatg 300

cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360

atacaaacca aacttggtct tgaaagcagt tntccactca tcacccttтn tcatcctgat 420

ttggtgataa ccactttta 439

<210> 3389
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3389

agcttcttgg aggaccaaat tgcaaggaag ctattctcga actaaatgct tcagatgaaa 60

ggtacatttt tgtaatttct caattcagtt ttcaattctg gacgatttcc tgttaattta 120

tcctttcact tttggttata gatgacttgc tccacggttg aactcactgt tcaataggtg 180

gagaagttga gggaaatgag tccactttat gaaattgtca aggaaggtat caacatcaag 240

gacattcaat gggcacagca ctgattatta tcaagctctc agattgcaat gcaagtgatg 300

ggaagcaatt gtgattgaac tccagacgta gctgccactc ttgcaattgc agattcttcg 360

aacttgctga ttatntagta atttgtatct cgagggtaca ttacaattag aaatttaccc 420

tggcagagct att 433

<210> 3390
<211> 361
<212> DNA
<213> Glycine max

<400> 3390

aagcttctcg atgtattatg cgcctgaatc ggacatccgt gtgaatggat atgaccattg 60

gaatttctta ttagcttccg ttgttcaatt tcaaacttct ccatttatta tgcgcctgaa 120

tcggactttc gttgaaaagt tatgatcaat tgaatttcac gagagctttg gttgtccaat 180

ttcgagcgtc tcgatatatt atgcacctga atcggacttc cgtgtgacat gttatgacca 240

tttaaatttc tcgagaccat accttgttca atttcgagcg tctcgatata ttatgcgctt 300

gaatcggaca tccgtgtgac aagttatgat cattggaatt tgtcgagagc tttcgatgtt 360

c 361

<210> 3391
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3391

agcttctcga tatattatgt gcctgaatcg gacttctttg tgacaagtta tgaccattng 60

aatttctcga caccatacgt tgttcaattt cgagcgtctc gatatattat gcgcctgaat 120

cggatgtccg tgtgacaagt tatgaccatt tgagtttctc gagagctttc gttgttccat 180

ttccagcttc tcgatatatt atgcgccgga atcggacttc cgtgtgacaa gttatgacgc 240

attgaatttc tcgagagctt tggttgttca atttcgagcg tctcgatatg ttatgcacct 300

gaatcggact tccgtgtgac aagatatgac catttgaatt tctcgagagc attcgttgtt 360

caatttccag catctcgata tattatgcgt ctgaatcgga ctttcgtgtg acaagttatg 420

ac 422

<210> 3392
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3392

agcttcaaga aaaatggcct ctatatactc cttanttcca taacgaaatt ctatcaatag 60

acctccaatt nttaatggag agggttacca ctactggaaa acccaaatgc aaatnntttt 120

ttatgcaata gacttaagta tntgggaagc catagaaata gggccatata tacccactac 180

agtagaaaga attacaatag atggtagcac atcaagtgaa agcataccat tagaaaaacc 240

taaagataga tggtctgaag aggatagaag acgagtacaa tacaatctaa aagccaaaaa 300

cataataaca tttgccctgn gaatggatga atatttcagg gtttcaaatt gtaagatcgc 360

taaggaaatg tgggacactc tacaattaac acatgaagga actacagatg ttaaaagatc 420

tatgataaac acact 435

<210> 3393
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3393

agcttgaaat tgacaacgga tgctctcgag anaatctatt ggtcataaat tttcacacag 60

atgtccgatt cggggaaata tatatcgag actcacgaaa ttgaacaacg gaagctctcg 120

agaaatttga atggtcataa catttcactc ggatgttcga tccggggaca taatttatcg 180

agacgctcga aattgaacaa ccgaagctct cgacaaatta gaatggtcgt aacttttcac 240

gcgaatgttc gattcgggga cataactcat ctagacgctc gaatatgaac aacggaagct 300

ctcgagaaat ttgaatggtc ataagttttc acacggatgt ccgattcggg aacataatat 360

atcaagacaa tcgacattga acaacggaag ctctcgagaa aatcgaatgg tcat 414

<210> 3394
<211> 402
<212> DNA
<213> Glycine max

<400> 3394

agctttgatt tcctttgttc ctgttacctt tcttttctca tgtgcaccca aacccaatct 60

ccgggttcga agacaacctt ctttctccct ttgttggctt gtttagcata gcttttattt 120

ttcctctcaa tttgatcttt gactctctca tgaagcttct tcacatagtc cgcctttgct 180

tgaccttctt tatgcttaaa aacagaaaca ttaggcatat gcaaaagatc aagaggagtt 240

agtgggttaa aaccataaac aacttcaaaa ggagaacaat tagtggtgct atgaacagct 300

ctattgtaag caaattcaac atggggtaaa caagctctcc caagttttaa gttcttcctc 360

aaaactgtcc taaacaaagt tcccaaagtc ctattaacaa ct 402

<210> 3395
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3395

tctcgcgaaa tattggttct aatatggtac taattgcata tttatgggct tgtacagatc 60

caaaatantt gtttagtgga gacaataatt tttttatcaa tggcaataaa aacaccacaa 120

caactatcat ttatatagat agatagataa atatataccc aaatattgtt attgatccat 180

aataaatttt tcttcatttt tgttccctga tatttgacat ggtttttaa attgtagtca 240

ttagttaagt gatgacatgt cactactaaa aaatagggtt tcaacattgg ttattaagga 300

ctttccacat cggttattaa ccgatgatga aagtaccaac gttgaaagta atatcgttaa 360

catcgatttt ccaaaaccga tattaatata aaattacaac atcggttatt gaaataactg 420

atgttatata ata 433

<210> 3396
<211> 435
<212> DNA
<213> Glycine max

<400> 3396

gcttctcgag aaattcgaat ggttataact tttcacacaa atgtccgttt cggggacttt 60

attcatcttt actctcgaaa ttgaacaacg caagctctcg agaaattcga atggtcataa 120

catttcgcac aaatgtccaa ttctgggaca taatatatca agacgctcga aattgaatag 180

cggaagctct cgggaatatc aaatgggcat aacttttcac atggatgtcc gattcgggaa 240

aataatatat cgagatgctc caaattgaac aacgaaagct atcgagatat tcgaatggtc 300

cgaacttttc gcacggatgt ccgattcggg gacataactc atctagacgc acgaaattga 360

acaatggaag ctctcgataa atctgaatag tcataagatc tcacacggat gtccgatttg 420

gggaaataat atatc 435

<210> 3397
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3397

tctanactnt atacaagaat gaagctctga taccacttgt tagacttgtg gcctcttata 60

tcttaagaag ggggggttga attaagatat tccaaactac ttccccaatt aaaaatctat 120

ttcacttttt attcaagtta taaattacct taataatgaa cttcttaaat attgattcaa 180

ataaaacaat ttgaatataa atataaagca ataataaaca aaggagatta agggaagaga 240

aagtgcaaac tcagatttat actggttcgg ccacaccctt gtgcctacat ccagtcccca 300

agcaacccgc ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca 360

aggacaatcc ttcctttgtg tttagaattc ctttacaaca agagacccac ggtctcttaa 420

tcccttagag aatgaggaga agaagaagaa tgaatctc 458

<210> 3398
<211> 439
<212> DNA
<213> Glycine max

<400> 3398

agcttgcctt gccccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60

ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt atgggtgcat tagttagctt ttccttaaga 300

acattgaaag cttcttcttg tttctctccc catttgaaac cagcattttt cttgagcact 360

tcattgagag gtgctgccaa tgtgctaaaa tccttcacaa attgtctata aaaacttgct 420

aagccatgaa aactcctca 439

<210> 3399
<211> 403
<212> DNA
<213> Glycine max

<400> 3399

cgagtgtgaa tgccttgctg agggcgttgt ggggacagag gtattataac tcttaagacg 60

attatgattg ttgggaagaa aggggttggg gggaataaga agcctatgtt tgttcagttt 120

gtgttggagc ccttgtggca ggtgtatcag ggggccttgg aaggggataa ggggctggtg 180

gagaaggtta ttaggacctt tagtttgtcg gtgccgcagc gggagctgca gaacaaggat 240

gtcaaggttg tgctgcatgc ggttatgagc cgctggcttc cgctttcgga ggcggttttg 300

tccatggtgg ttaggtgttt gccggacccg gtgacggcgc atgcatttag gatatccagg 360

ttgattccca agaaggaggt tattggggat gtggaggggg ttg 403

<210> 3400
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3400

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ggttgattaa tggtgatcta gatttcatag aattagaaaa taggtaatta agtcttaaga 120

gtttaaagtt gagagtattt ttgtaaatga ccatacgact agtttaaaaa tagaatttta 180

gtttaattag tgtctgatta tatatatgga ataattaaaa tatgttagag ttgtaacacc 240

ctgaaaaatt ataactcagg ctgatagagg aaactctatg ttgtgtcatc tgtgcatgtg 300

tgtatataat tgcaatgatt atgtgttttt aattattaat ttttgtgcta tatatgaata 360

tattttgtgt aaataatttg tttagtctag cttggcagag atacgagaac tgcctaaatg 420

aaaattccat ttgtaacana attg 444

<210> 3401
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3401

agccgacctg ctgcatgcaa gcttgttcgt aagtctcatc ccatatcgag ggctcaattn 60

tcttgagtgt tttgttaaat ggcttcacct tctcagcaag cttcgggagg aacctagaca 120

gggatgctag cctaccattt agtttttgaa cttcttagtc gttgatcgag ttgtgcatct 180

ccaatatggc agtgtattta tgggggttag cttcaatccc ctggtaagtg atcatgaagc 240

caatgaactt gcctccgctt accccgaaag tacatttttc agggtggagg cgcatgtcat 300

atttgtggag ttccccaaag acttcttcca gatccatcat gtgttaggct atgctttgag 360

acttgatgac catgccgtcc atatataact cgacgtttca tccaatctgt tgtttaaata 420

cttggtccat cagccgttgg tatgtagcgc atgcattttt 460

<210> 3402
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3402

agcttataga atatataata taataacaat gacattttgt gagtctatac atgtttcctt 60

tgatgagtct aatgccattc taccaaggaa tgatttttta gatgatattt cagattcctt 120

agaagataca catattcatg gaaatgaatc taaagaaaaa gatgaaggaa gcaatgagga 180

ttctcaagat aatggggcta gaggaaataa tgaacttcca agagaatgga aagcctcaag 240

agatcatccc ctcgacaaca ttattggtga tatatcaaaa agggtaacaa ctagacattc 300

tcttaaagat ttatgcaata atatggcttt tgtatctatg attgaaccta anaatataan 360

agaagccata gtagattata actggataat tgctatgcaa gaagaanctg aatcaattga 420

aagaaataat gtgt 434

<210> 3403
<211> 420
<212> DNA
<213> Glycine max

<400> 3403

agcttcttga catcctggag gactatttga atatttattt tgggcctaaa acgtatgaga 60

gagtggatgg atctgtttca gttgctgatc gccagtcagc tattgcacgc tttaaccaag 120

acaaaagtcg atttgttttc ttgttatcca ctcgctcttg tggacttggg ataaatttgg 180

caactgctga cactgtcatc atctatgatt ctgatttcaa tccccatgca gatatccaag 240

caatgaatcg agcacacaga attggacaat caaatagact tttggtatac cggcttgtgg 300

ttcgtgctag cgttgaagag cgcatcttgc agcttgctaa gaaaaaattg atgctcgatc 360

agctttttgt aaataagtct ggatctcaaa agaggtagat gatatttaaa atggggactg 420

<210> 3404
<211> 439
<212> DNA
<213> Glycine max

<400> 3404

gaccttgaaa ctcagcttat gagagagtca agatcatttg gaggataata aaactttgct 60

aaacagccac aaagggagat agaagttgtc ttcgaacccg gagattggtg ttgggtgcac 120

atgataaaag ataggtttcc ggaacaaagg aaatcaaagc ttcaaccaag tggagatgga 180

ccatttcaag tgcttgaaag aatcaatgac aatgcttaca aagttgagct gcccggtgag 240

tataatgtta gttccacctt caatgtctct gatttatctc tttttgatgc agatggagaa 300

tccgatttga ggacaaatcc ttctcaagag ggagagaatg atgaggacat gaccaagagc 360

aagggcaacg atccatttga atgacttgga cgacctatga caagggcaag agcaatgaaa 420

gccaatgaag ctcttctac 439

<210> 3405
<211> 460
<212> DNA
<213> Glycine max

<400> 3405

ctcaagctgc acccggaagc ctaatttaaa cgagatcatt ttgttcaagc tcgcacctcg 60

cgtagcttga aggcttagag ggttgggtcg accctcattt tcacacaaaa taaaacaaag 120

aattaaattt gaagaatctt gcaaggtgat ggtgaggagt gtgagctagc cgacgatggc 180

aataatgtgg tcttgtaggg cggaagagag gatttttcaa ctaatgagga tgaatatctt 240

gttgttgttg ttgaagatgg agatggtctt gatgaccttg gagagctcga cggggagtga 300

gagaggaaga ggaggtgggc gaaggtgatg aagcaacgtt gggtgtcgaa gggatgatgg 360

tttggcaggg gagtggaaat ctatgagagg gagatgcgga tggtgtcgag ggtgctcaaa 420

tgcaaatgat gacaataaca tcacagatgg gagaacaaat 460

<210> 3406
<211> 453
<212> DNA
<213> Glycine max

<400> 3406

tgtattgatt taaaacaaaa atgtaaaaca tgtattcaag caaagcaacc tataatgggt 60

tttactacat gtattgaaag agaaactaac ttacttgaat tagttcatag tgatgtatgt 120

gataataatg atgtgttaac acgtggtagt aagagatact ttattacttt cattgatgat 180

ttctccaaat attgctatgt gtatttagtt aatcacaaaa gtgagttgtt taataagttc 240

aaagtatata aaatagaagt agaaaattaa ttagaaagaa aaattaaaat tctttgtttt 300

ggtagagggg gataatacat atttttatat atgaataatt tttttgaaat gcattgtatt 360

attcatgaag tgacatcttt gtatgcttct caatctaatg gtattgcaga aagaaagaat 420

cgtaccttgc ttgatatggt gaatgttatg ctt 453

<210> 3407
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3407

tcagtccctg aganactggt tcccagaaga catcagggag tgattattgc tgangaccct 60

agctctgcaa caagtcctag ggaagtagac ccggagatgg acaagaaaat ccgcagtatt 120

gtgagtagca ttctgaaaga tgcttctgtg cctgatgctg agaaagatgt tccaacatct 180

tccaccccaa gtgtttccgt gcctgatgct gagaaagatg ttccaacatc ctccgctcca 240

aatgctgaag ccctcccgtc acccagtgaa gaggaatcaa cagaagaaga ggatcaagcc 300

tcagaggaga ctcctgcacc acgggcacca ganactgctc caggtgacct cattgacctg 360

gaagaagtcg aatctgatga agaacccatt gccaacaggg tggcacctgg cattgcggaa 420

agacttcaaa aca 433

<210> 3408
<211> 445
<212> DNA
<213> Glycine max

<400> 3408

tctagaatgg tgtaccagat gatcgtggcc ccatccaagc tatcttggaa gaagtgcatc 60

aacaacttct catccctgga atgtgccccc atcttgcgac aatacatttt gagatggttc 120

tttggacaag ttgtcccttt gtacctatcg aaatcaggta ccttgaattt cgggggggatg 180

acgatgttcg gtactaagca aagatcagtc atgtccgcaa acggatagtc gccaaagcct 240

tcaacagccc tcaatctctc ttcgatgaga tcgagtttcc tcttttcttc tgctgccgtg 300

cgtagccctc ctgtggacaa aaatattggc tgtgctgggg agtttcgagg ttctcccatg 360

aggttgggct gaggtagtgc gttgggtgcc ggcccctcgg cagggaatgg ggagtaggaa 420

tcaatgtctc cttgggcatg ccctc 445

<210> 3409
<211> 430
<212> DNA
<213> Glycine max

<400> 3409

tgcaagcttc tcgatatatt atgcgcctga attggacttc tttgtgacaa gttatgacaa 60

ttttaatttc tcgagagcat tcgttgttca atttcgagcg tctcgatata ttatgcgcct 120

gaattggact tccgtgtgat tagttatgac catttgaatt tctcgacagc ttccgttgtt 180

caattgcgag cgactcggta tatgatgcgc ctgaattgga cttccgtgtg acaagttacg 240

accatttgaa tttcttgaga gcttacgttg ttcaatttca agcttctcga tttattatgc 300

accttaatct gacttccgct tgacaagcta tgaccatttg aatttctgga gagcttccgt 360

tgtgcaattt cgagcgtctc gatatattat gcgcctgaat cggacttccg tgtcataagt 420

tatgaccatt 430

<210> 3410
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3410

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tatagagcta catacgtctt ggaattgata catacggaca tttgtgggtc atttcataca 120

tcttcatgga atggtcatca atattttata tcattcatag acgattactc cagatatgca 180

tacttatttc ttatacatga aaagtcacaa tctttggatg tgttcaaaac atttaaagtt 240

gaagttgaaa atcaactcaa caaaagaatc aagagtgtta gatctgaccg tggtggtgaa 300

tactatggtt gatatgatgg ttcaggtgaa caacgtccgg ngccttttgc caagtaccta 360

gaggaatgtg gaatcgtccc acagtacacc atgtcagggt cacctagcat gaatgatgtg 420

gctaaatgac gaaacataac tcttaaggat atg 453

<210> 3411
<211> 435
<212> DNA
<213> Glycine max

<400> 3411

agctctgatg caagatttgg agaggttaat gaaacttcga gatgatgctc tccatgagag 60

gttggatcaa atggaaaata gaaatcataa tgaagaagaa aggaggagaa gagggaatga 120

tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc cctttaaagg 180

aaagaatgat ccggaggcct acttgtagtg ggagatgaaa atagagcatg ttttctcatg 240

caacaactat gaggagaacc aaaaggtgaa gcttgccacc atggagtttt ccgactatgc 300

tcttgtgtgg cggaacaagc tacaaaagga gagagcaaga tatgaagagc caatggttga 360

tacatgggtg gagatgaaaa ggatcatgac aaagcggtat gtgccggcta gttactcaag 420

ggaattgaaa ttcaa 435

<210> 3412
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3412

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acttagatga tgacttaaat cccaagagaa tgatttcaag atggagtcaa cgtgttcaag 120

atcaagataa aatcaagatt aatttcgagt ttcatgaaat tacatcaaga agaatcaaga 180

ttcaagagaa gatgacttca caagggaagt gttgaaaaga atttttcaaa aatcaaacat 240

agcatatttt tgttttacaa gaaaagtttt tctcaaaatt ttctaaggta ccagaggttt 300

tactctctgg tgatctatta ccagtttcct gtaatcgatt actagtggca gagtttgatt 360

tcaaaagctt ttaactaaat ttgcaacgtt ccaattgatt ntcaaatggt gtaatcgatt 420

acaatatatt ggtaatcgat taccagtgta tctgaacgtt gaaattcaga ttcaa 475

<210> 3413
<211> 433
<212> DNA
<213> Glycine max

<400> 3413

tcttatccaa ggctcatctt ggtggtgaag ctctttttc catggcttat tccttaatgg 60

atggcgcctc ctctcacctc ttctcctttg tcttccgctg catctccatg gtgaaaaatc 120

accattgaag gacctcattg aagctcaaag atccagcctc catagaagct ccacaagcta 180

gcttccatca agaaaaaaaa aaaagtcctt actacaaaga ctactcataa tgccccgaaa 240

tacaaggcta aaaccctata ctattagaat ggccaaaata caaggcccaa acgaagaata 300

aacctattct aatatttaca aagataagcg ggtcatgctt agcccatggg ctcaaaatct 360

accctaaggc tcatgagaac cttatggcct tcccttggat ctctaaccca atctacttgg 420

agtcttctac cca 433

<210> 3414
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3414

nggccgccac ggagtttccg actatgctct tgtgtggtgg aacttgctac aaaaggagag 60

agcaagaaat gaagagccaa tggttgatac atggacagag atgaaaaaga tcatgaggaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtggag caacaattaa aaaggaaggg agtggctaag aggagtttta ccaactttga 420

ttcttctggt tggaaagaca 440

<210> 3415
<211> 437
<212> DNA
<213> Glycine max

<400> 3415

agcttgacat tggagtcaat cgtcgcctag acggtttgtg cacacgcttc attcttagcc 60

atattgttgg tgcagtcaaa ccccagtctg gctataaaag gtatacattg attgtctaga 120

gagaccaata ttgttccaac gccatggcct agaatgtttg aagctccgtc aaaccacacg 180

atccacttgt cccgatcctc gtctagcttt tcctcaaaca aggccatgat gtcctcatcc 240

gggaattcgg gatgcatggg ttgatagtcg ttgagaggct gctgagccaa ataatctgcc 300

aaggtgcttc cttttatcgc cttttaggtg acatagacta tatcgaactt ggatagcaaa 360

acttgccacc gggcgatcct cccagtgaaa gcatgcttct caaagatgta cttaaccggg 420

tccatcttgg atatcaa 437

<210> 3416
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3416

ntagaagttg gggtcactta ttatttaact cattgatttg ccgttaaaac taatggaaaa 60

acgagagtgt gtaatatttt tgtttttcgt cttgtatgaa catccttcag taaaatgaac 120

atttctctct atatgattaa ctttggattt tgagtcatac ctcatccaaa tctagacata 180

catgactttt tatactggta aagtttataa atttttttgta tatgataagt ataagttatg 240

caatagttct ataaattctc tatagaagac aaaaatgtaa acttgagttt taatataaat 300

gtttaatcag ataaatatat ctatgtataa atttggtttg agttggatta gattgaattt 360

caaaatgaaa tccaaaatct gattttatcc aaaaaaaatg ggttattata ttttaattgt 420

caac 424

<210> 3417
<211> 411
<212> DNA
<213> Glycine max

<400> 3417

tggttacctc tttcttcact atacatcaag aatcaccggg ttgagtcttc tctgtggttg 60

tcttactggt ttagcctcat cttctaaatt tattcgatgc atacatgtgg atgggctaat 120

accaggaata tctgccaggg tccagcctat agctttctta tgcttcttga gaacaaataa 180

caacttctcc tcttgctcat cagcaaggga ggcagatata attactggaa aacttttgcc 240

atcatccaag taagcatatt ttaaattaga tggtagaagc ttcaattctg gtgtgggcgg 300

ctggatagtg gtagaaagag atggtttctc agcctacacc tcataaagaa agtccaggta 360

tttgtactta cttgaacatg gttagtttga tctgactcta taaaatcaat c 411

<210> 3418
<211> 332
<212> DNA
<213> Glycine max

<400> 3418

ctggaactac ttcacatgga cttgatgggg cctatgcaag ttgaaagtct tggaggaaag 60

aggtatgcct atgtgggtgt ggatgatttc tccagaatta cctgggtcta ctttatcaga 120

gagaaatcag acacctttgc aactgtcgag cacttccaca tctttggaag tccatgttac 180

attttggcag atagagagcc aaggagaaag atggatcctc agagtgatgc aggaatattc 240

ctgggatact ctacaaacag cagagcatat agagtgttcc attccagaac cagaacagtg 300

atggaatcca tccatgtggg tggtgatgat ct 332

<210> 3419
<211> 535
<212> DNA
<213> Glycine max

<400> 3419

agcttgtatt acttatatta caataaaaaa tttgtattac ttatatgtac aaatgaatgt 60

gtatagtttt tataaattat gtaaaataat ttatatgaat aattttaata catataatcc 120

tttgtatata ataatcttga atatgattgt ttttcgtaaa taataattat ttttctgtga 180

atgataattg tgatctttac cttaactaaa aaatatgtgg ttaaaaaata tgtttaattt 240

ttttgaaaca cagcactcag ttttttctcca aattaaaaca gataatttaa actaaatgta 300

atttatattt agaattgaca taacaaagaa ataacatagt atttgaaatg aaaaaaaaaa 360

ctgagaaata aaacgtcaat aatagagttt aaaattatat cattccctag caataaaact 420

aacaactata ctttcaaatg attttattaa tatcatgtta aatattaaaa atttttttaat 480

actatgatat tatttagaag taggtcttat aagatgatat atctcattga atcta 535

<210> 3420
<211> 510
<212> DNA
<213> Glycine max

<400> 3420

tcttatccaa gctcatcttg gtggtgaagc tccctcttcc atggcttatt ccctagtgga 60

tggcgcctcc tctcacctat tctcctttgt cttccgttgc atctgcatgg tggaaaacca 120

ccattaaagg acctcattga agctcaaaga tccagcctcc atagaagccc cacaagcaag 180

cttccatcac atatggaact attaaaaaaa tcattagtaa aaaaaacata aagttattgt 240

gatagtaatt tgttgaacaa tgaaatagtt atttgttaga aataaaaacc aaaattgtag 300

ttgtattttg gtcattacat taaattttta ttagaattag tgttgtcaac tttatatatt 360

tcacaaaaaa tctatatgca tttatcaata tatttaagta ataaaaaaag tttatgaata 420

aataataaga cattggttat gaattattaa attgggattg attgaagtat tgcttgaacg 480

ctcacaaatt attatgaatc ctttaatgtg 510

<210> 3421
<211> 493
<212> DNA
<213> Glycine max

<400> 3421

tataactgca tggtgtgcca caataactga taagatgcaa aataaattta gaaaaaaatc 60

attattccct agatacctat taattgcaag agagaaatga tctaaaaata gtattatcta 120

atgtaagctg aatggctgat ccttcaagaa atgtatataa tcatttccta taattattag 180

aaattatttc ttatttatta ctgttactat tgtttgaatt aaattaaaaa gaaaataata 240

tacagatagg acaaggaatc tttcctaaaa gacaaaaaca gacaagaaag ctttcttttt 300

tctttactta aaattatagc attcctctct tagtaaattc accaaactcc tgcaattcag 360

atgttaaaac acagaatcct acttcataag ccttatctgg gctcagattt aatgagtcaa 420

aatcctaata taattagcaa tttactcaat cttggagaat gttgctatca aacaaattca 480

caattagttt aag 493

<210> 3422
<211> 629
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3422

tgaggattgt gtaccttcca gattggatgg ttatcggttt caatgactta gtctctacgc 60

atttcgtcct tgggggttgt gtacccttg ggttggatca ttcccaatcc atagcttaac 120

ccttccgatt cgtgccttga gtccaacctt gcctcatcat atctatgtct aatctaatta 180

tctctaaaag cctaaacgca ccataaaatc gtcatagaca caattaatca cacctcgaga 240

atcttgagat atgggagaat attttgaaat gtcataatgc attgactcat gaatataaga 300

gaggatacac atagtaaatg atgataaata gtcatctctt tgacctaaga agacaagttg 360

agcaatacaa tttgcttgag tactctggat tangttgtgt ccatctacga gaaaaccttt 420

ttctaaaata aatataaata tttgtgttca atttgtctct tcctttactt ctttattatt 480

atatttattc ctaaatataa agttctttta actaattcat atcatttaaa agaaatttaa 540

taatttaagt agtactatta atttgttaga aattggatta tcttttaaaa tacccttata 600

atttttctaa tcctattata agaaataaa 629

<210> 3423
<211> 337
<212> DNA
<213> Glycine max

<400> 3423

gcttgtcatg ttttctggtg atgcagactt tgctgatgga gctcataatc ttctcaataa 60

agaaagtgaa atacgccgtg gtggatttgg agttgtttat cgaacttttc ttcgtgatgg 120

gcatgcggtt gcaatcaaga agctcacagt cttcagtttg atccaatccc aagaagactt 180

tgatagagaa attaaaaaac ttgggaatgt caagcacccg aatctcgtgg cacttggagg 240

gtattattgg acttcatcct tgcagctcct tatttatgag tacctatcca gtgggagttt 300

gcataaagtt ctacatgatg atagcagcaa aaatgtc 337

<210> 3424
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3424

aaactcagcg gcaccaagct ccggatgagc tctagctatc acccacaatc gggtgggcaa 60

actgaggtca tgaatagaat tgtcgaacaa tatctttgcg cattcgtaca ccaccaacct 120

tctacctgag gtcgcttttt gacttgggcc gaatggtcat acaatacttc ngttcattcg 180

gccaccggca tgttccccta tgaaattaca tttgggaaga aaccaccctt gttctctgcg 240

atacattgaa agaaca 256

<210> 3425
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3425

tgacagcacg ataagctaga aagagcttat tttgttgagc ttatctctga aactggtata 60

attaaaatag agcttatttg aaggctaaaa atgattttca tgagcccaaa aaagataatg 120

taatttttta tggccaaata atatatgttc ataaaacaaa aatttaagga ttgatgatcc 180

tgcttgtggt gtgcaagttt ttgtgcaagc tatgtgaagc tactgcctgc aatgaagaca 240

tatgaatatg gctttcgtgt gtttttgttg acattttgta ttgtattggt atctgggaga 300

actagcaagg aatttttctc cacagccttt tacagattaa ttcttattgc aattggtgct 360

agcatatgct tgtttgtaaa tattttcata taccccatct ggtctgggga ggatctgcat 420

aaattggtgg tgaaaaattt caatggagtt gctgcatctt tagaagggtt gcttgaattt 480

ccccatatgt tctgaatccc ttgcaagatt tgttggtgct ttttatgcct ggntgctgta 540

cttaattt 548

<210> 3426
<211> 608
<212> DNA
<213> Glycine max

<400> 3426

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gttcgaagac aaccttcttt ctccctttgt tggcttgttt agcataactt ttatttttcc 120

tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttcttaatg cttaaaaaca gaaacattag gcataggcaa aagatcaaga ggagttagtg 240

ggttaaaacc ataaacaact tcaaaaggag aacaattagt ggtgctatga acagctctat 300

tgtaagaaaa ttcaacatgg ggtaaacaag cttcccaagt ttttaagttc ttccttcaaa 360

ctgtcctaag caaagttccc aaagtcctat taacaacttt cgtttgccca tcggcttgtg 420

ggtgacaagt ggttgaaaat aacaatttag tggccaactt gctccacaaa gtcctccaaa 480

aatggcttat gaacttagag tccctatcac taacaatgct ccttggcaaa ccatggagtc 540

tcacaatctt cttgaaaaac aaatcagcca catgggaagc atcatcaatt tttttacatg 600

gaataaaa 608

<210> 3427
<211> 493
<212> DNA
<213> Glycine max

<400> 3427

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ttcttcttcc tcttgggcct aacttcactc tcctcctgtt gttcctttgc taattgcaga 120

cccctcgagt tattcgtaac actctcgtgc ccatcaaaca acaccttgtc ctcaaggtgg 180

tgaagctcct taaagtctga ccactcttcc cacgatgttt cttcaagtgg caggcctttc 240

cactgcacca acaccataag ttttggtctt gactaagagg gaattagttt ggacgctact 300

atggctaaag gagtgacgac agggtgattg tccaaagcca taggtggaag atcaacagtg 360

cctctcggac atgcaatggc cacatagggt ttaaagagag aagaatgaaa aacggaatga 420

atgcgtgaat ggtctggtaa ttgtagctgg taagctactt tacccatgcg tgctgtaatt 480

tggaagggct cat 493

<210> 3428
<211> 484
<212> DNA
<213> Glycine max

<400> 3428

tgaagggcta acctatttag caacaatatt atttaatgaa aattttatta gcaatatgat 60

atataataat tattttaatg aaattgcaaa attactttat gtggtctaac gatttgaatc 120

attttaatgt ttgaaattgg ttaatttcaa taagcataga tggataacaa gaatatggac 180

tcttttcttt tgggtaaggg tgttcgctgg ccggttttaa ccaaattcaa gactcaacct 240

aatcaaattt gattagtttg ctttgatttg gtttttacat tttttaaacc caacccaatt 300

cattcatgaa cgatttggtt cagttcgtgc caacaggtta tccatttaaa ttagatcttt 360

ttttcttata actactattt tatatcaaga ttcatccaaa tatccaatac aattaatatc 420

atcaacataa tattctaaaa tacactaatg ccacttttaa aaaatattct tcaacgatat 480

ttac 484

<210> 3429
<211> 309
<212> DNA
<213> Glycine max

<400> 3429

tctcttgaac atcttgaact cattcttttg attgaccttt gagctttttg tcatcacctt 60

tgttatcatc aaaacatctt tgaatcaatc ttgtttcatc atgaaggttt gcttctacag 120

cgatatctca agggggtata gttgtagacc cctctaagat agaagatgct ctcgagtggg 180

agagttcaaa gtctgctttt gagattagga gttttctacg cttagtagga tattatcgaa 240

gaatcataga aggtttctcc aagttagctc tacctctgac caaactgact tgaaggggtc 300

aagttttgt 309

<210> 3430
<211> 639
<212> DNA
<213> Glycine max

<400> 3430

tgggagagga tgctgaagat gaagcagtgg agaggttctt gagccatgga atgagggagt 60

tgccatcaag attgggaatt tgggtgtagt aaggggatga tgagccaagg cttggattgt 120

aggaagcaca tggacttgga tggtaagatg agcaagggct tgctgctgct gatgatccac 180

caactatctc catgccctct gaaggcttgc atccctaatt gtacacaaaa tatattttca 240

ttaactgatc ataatatgtg gcatgtaata ggatttccat caccaaaatc ttttcaaata 300

taacaaataa atcattagta agacactcta ataaactcct tcatgttggt tccagtaaat 360

atgtggattt tttggtagat tttattccca aatcagtgga aactcagatt aacttcaacc 420

aataaaaaaa aatgtgttga aaagaagtaa atgcacgagt tatttaactc agcatgttct 480

cagtatattg ttgctatcaa atctaaccaa catggcataa ctattattta ttgaataact 540

caacttcatt caaactaatt aactataatt tatcgaatag aacaattgtc tctcttctat 600

ttatgttggg tactcgctac aatgtaatct ctttttttt 639

<210> 3431
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3431

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acaaagagtc taacatgcta tgacaaatta aatttcactt ttcttctagt tcgtatttct 120

cagaatatta cacatacaac agagccgata ccaaccaatt gaactatgtt ttccaatatt 180

aacttgagca gcaaccaact ctcttcaaag cagacacatc atttttcaga atcaatttct 240

cttctttggc aagcacagat gcagttccat tntcagcccc ctctactgct ttcttgctaa 300

caatgcggta gatttgaatc agaacttcag cacatgcatt ctctaca 347

<210> 3432
<211> 347

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3432

ctatcttgtt aaaaaatcaa aacaggatca atggcatatt ctatttttat tatcatatca 60

gaattatagg aagaatatct cctgctatta attgcattaa ttataattaa tttatataaa 120

tgaacatccc atgtgtactt tgatacacga tttttactct attattcctt tatttttctc 180

ttattttaca tatttactag gagaaagggt aaaataatag ataacctctg tattacaata 240

cttatgtagc atatttttgg atgagttntc ggtaccttgt acctagtata aatatattct 300

anttgccgat aaaaaatgta acatttctat accaatataa atcattt 347

<210> 3433
<211> 407
<212> DNA
<213> Glycine max

<400> 3433

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ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcatcttct ttggagaata 180

gacatgtgga ggagtaacta gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240

tgctgccctt cattaggact tcactcttct catttgtcac caagcattct gactttgtga 300

agtttacatt gaacccttca tcacacaact gactgatgct gatcaagttc gcaatcagtc 360

ccttcaccag cagtactttg ttcagactag gaagtccatc atggact 407

<210> 3434
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3434

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agangtacat atgtcttgga attgatacat actaactttt gtgggtcatt tcatacacct 120

tcatggaatg gtcaacgata ttttatatca ttcatagacg attactccat atatgcatac 180

ttgtttctta tacatgaaaa gtcacaatct ctggatgtgt tcaaaacaat taaagttgaa 240

gttgaaaatc aaatcaacaa aagaatcaag agtgttagat ctgatcgtgg tggtgaatac 300

tatgacagat atgacagttc atgtgaataa catcccgtng ccttttccac agtacaccat 360

gccagggtca cctaacatga atggcgtggc tgaaagaata aacacaactc ttaacgatat 420

ggtaagaaac atgatttgca tttctactta ctagagcact c 461

<210> 3435
<211> 505
<212> DNA
<213> Glycine max

<400> 3435

caaagtatat aataataatt tatgaatgac cgttcaaact ataatgggag tctaatcaaa 60

atccaactct cacaccgaaa gcaatgagga ctgcggacaa ctaataacat atgtcatcat 120

aacttatata tagtttaaaa cttgtgatta aatgttaaag gtttcgaatt tattaaacaa 180

ggataaatta tttaatttac ttaaaaacaa ttgttactgg aattgttaat tatttcatcc 240

ttttgtatgt atttggcaat accccaaaga aactatattg aattctatct tgtactgtat 300

tatatatgaa ggattgtccc taataaggca caaattcaca taagggatgt tttatgactt 360

attgatgact taataacatt gatttaaata aaaggggatg ctgttaatca atgtacttta 420

aagaattaat aatatttgtt tatttaaaaa tacaacacag tatacctatg atatttttt 480

aaacttttt aatttttgat tcttt 505

<210> 3436
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3436

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cgagtattgc gccaataaga cctatggtgt ttccacaagc aagccatgca ttgcatgaag 120

aaggaagttg agtattgtga aggaaaataa aggtctttcg aaccaggggc tggagtactc 180

aattctttaa caagttcttt gtttcttctg agacagaatg ccgaaaacca ttatcagtaa 240

ccattggtaa taattataat aataacaaat aaattattgc acttctagcg gntaagtgct 300

ttctagcata tcactttaga gttctggtat tctgtagttn tattagatgt gttaccgaat 360

atac 364

<210> 3437
<211> 536
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3437

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cccaatccca ttcgttcccg ctaaatccaa cgaaaaccca atggtgggcc cctctccctc 120

ccatggcaac aacctcaaat tcctctgcag ctacagcggc aaaatcctcc ctcgttttcc 180

cgacagcaag ctccgttact ttggcggcca cacccgcgta ctcgccctcc ctcgctccgc 240

tcccttcttc ggtaaaacca ccaccttctc ctcccttctt ggtttccctt acattgacgg 300

cgtataactg tatttgcttt ggcatgcttc ttttcataaa aaatcatgtt caacgtgctt 360

cggaaatgcc tgattcatgt caaacaaaca tacattaata acgtccttgg gaatacgcta 420

cacaaaatta cctctaaaga aaaaataatt ctgnggacgt gcttcttttg ntnnttgcgt 480

tatttattct acctaatgaa ctttatatta taaacccact tgcatacatt tacatt 536

<210> 3438
<211> 363
<212> DNA
<213> Glycine max

<400> 3438

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ggatgttaac aatgctttcc tcaatgggga tctgtttgag gaagtttata tggacttgcc 120

tcaaagttac aaaaccattg ctcttgatct tgtatgcaaa ctcaataagt ccttgtatgg 180

ccttagacaa gccttaatgc aatggttttg caagttttct tctaccctat tacaataagg 240

tttcattcaa tcaaaaaatg attattctat tttcacttat ggctttggat ccttattagt 300

agtgcctttt agatatgttg atgacattat acatgttggc ccaaagatct tcatgtgttg 360

ctg 363

<210> 3439
<211> 470
<212> DNA
<213> Glycine max

<400> 3439

tatcattggg ggtttaactt tatcattttg tcaatgttgg attaaatttt agcttatata 60

ttgctaattt cagcttataa gtgaaaatga agctacttta gctcctatat ataaccattg 120

attaatagca atatggcact ttgagcaaga tttactctct ataagttttc atatcaagag 180

tcaaatgcta ttgaaatgga taaatgcaca atataattgg tgtgtatcaa ccctaacaca 240

acaacactac cacaaaaaca cacaccctat gatccacaat ttgaaacgaa gggaaaaagt 300

catgaaaagt gaaaaagaag agaacctagc tgatgtaagc tccattggag cttgtaggcc 360

taggatcttc ttcatcaatg gattcctttg cttcttggaa gatgaatggc agcggaatgg 420

agaaggaaga gggagaggaa acgccacttc aaggagaaga tgagtctaga 470

<210> 3440
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3440

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aaaatatgaa cttgctcact cagcaaacaa tgtagacgaa tttaaaattc ctttgaaagt 120

aaaatatttg attaaaaaac tatatataaa ttaaggaact tagtttgaca tatattttta 180

aaaagaaaaa tagtttgaca tgatttttta aaagtaataa tagagaaaac ttgatatagt 240

aaagaaaaga aatgggacat cattattagg actttatctn tattaaatat tattaatatt 300

ggctctagtt tgattagaaa aaaaaatgaa taattaatat tggcttactt gtgaactttt 360

atacaacgaa atatgtagat gaaaaactat cttctattgt ctagaacgaa caacaaaatt 420

atattntatc tacacaaaaa taatagaaat ac 452

<210> 3441
<211> 485
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3441

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ggagttgctt taaaacttgc tcttttaggc ttcaattttc ttaaattaat aatatataaa 120

cattcttata tactattttg gtggtcctta ttataaagtc caattaacta attatcaaaa 180

ttaagaaaat tggtgaattt aattgaaggc attaaagaca tttttgtgaa aaaaataata 240

caaaggacat tttaggttga accttataat acaggatcaa gtgacacttg taatgtggat 300

attataataa gcattagatg gagtaccata ttaacaccca taatttttct ttcactcttt 360

ttctatcatg taatatcaat taccatactt ggatttcttt ctcttctctc tttatgggnc 420

aattaatgtt caatgaaatg ttttttcatt tcttaactca aattgaaaat aaaaatattt 480

atttt 485

<210> 3442
<211> 415
<212> DNA
<213> Glycine max

<400> 3442

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agatggagaa aatggatcca tggatgcctt tctagtgcaa ctatatcaat tttgatcaat 120

agcagcacta ctagagaatt tgtgcctgag aggggactga ggcaaggaga tcccccttgca 180

cctttcctat ttaatatagc agctgaggga ctcactggtt tgatgaggac agctgtctcc 240

aaaaacattt tcagcagcta taaagtgagg aggcaaaatg aggagattaa catcttgcag 300

tatgcagatg atacactgtt ttttggaact gcaactacag ctaatgttag agtcatgaaa 360

tctatcctca aaattttcga gttggtttca tgactcaaga ttaactatgc taaaa 415

<210> 3443
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3443

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caacctcttc acctgaaact atatgtccca agtactctat cttcaataca ccaaaagagc 120

atttaaacca cttatcaaac aaaacatttt ctttcaatac tttgaataca acctctagat 180

ggcataagtg ttcatgccat gtggaactat ataccaatat atcatcaaaa aacactaaca 240

catatttcct taaagcatgt nggaaaatat ggttcatcaa acactgaaaa gaagtcgaag 300

cattggttaa accaaatggc attatt 326

<210> 3444
<211> 370
<212> DNA
<213> Glycine max

<400> 3444

tagacataga aggagagagc ctgagcaaaa taaggctcgc gttctaatat ttttaaatgt 60

aagcccaaca tcggttttca ataaaaaaaa aaaactgatg ttaatcaaat gatgttaaca 120

ttaacatcgg ttttctggaa gaaaccaatg ttaacttatc atatgttaac atcggtcttc 180

tgaaaaaccg atgttaatga actaaagtta acatcggttc ttgaaaaacc aatgttaacg 240

aagtaatatt aacattgggt tttcaagaac caatgttaat gtctgttcgt ttacatcggg 300

ttttcagaag accaatgtta ataaactcac attatttaca attgtgccac caggtttatg 360

ttgacatcgg 370

<210> 3445
<211> 267
<212> DNA
<213> Glycine max

<400> 3445

taaacattca acttcgagcg tctcgatata ttacgagtct caatcagaca tccgagtaaa 60

aagttatggt cgtttgaatt ggctcaaagc ttcaacattc aatttcgagc gtctcgatat 120

atttcgggac tcaatcagac atccgagtaa aaagttgttg tcgtttgaat atcctcagaa 180

gttctacatt caattttgag cgcctcgata tatgacggga ctcaatcaga catccgagta 240

aaaagttatt gccgtttgaa ttggctc 267

<210> 3446

<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3446

tatgactcag tttcttgggg attcctaaac tatatgatga tgaggactgg gatttgtgaa 60

agatggagaa aatggatcca tggatgcctt tctagtgcaa ctatatncaa tttgatcaat 120

agcagcacta ctagagaatn tgtgcctgag aggggactga ggcaaggaga tcccccttgca 180

cctttcctat ttaatatagc agctgaggga ctcactggtt tgatgaggac agctgtctcc 240

aaaaacattt tcagcagcta taaagtgagg aggcaaaatg aggagattaa catcttgcag 300

tatgcagatg atacactgtt ttttggaact gcaactacag ctaatgttag agtcatgaaa 360

tctatcctca gaattttcga gttggtttca ggactcaaga ttaactatgc ctaaaaagcc 420

aattgggtg 429

<210> 3447
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3447

agcttcaaga aaaagatggc ctcagcaaat tccttatttc cagaagggaa ttctatcaat 60

agacctccaa tctttaatgg agagggttac cactactgga naacccgaat gcaaattttt 120

atcgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180

acagtagaaa gagtntcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctaaagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300

aacataataa catctgccct angaatggat gaatatttca gagtttcaaa ttgcaagagt 360

gctaaagaaa tgtgg 375

<210> 3448
<211> 410
<212> DNA
<213> Glycine max

<400> 3448

tcagcttgtt aacatgaagc ctgactttct caataggaat gtgaaccaaa ggtttagtgg 60

cggtgaacgc aagcgcaatg aaatcttgca gcttgcggtt ttgggggcgg acttggctat 120

tttggatgaa attgattctg gtttggatgt tgatgcgctc agggatgttg cgaatgcagt 180

taataggatt ctcaccccag aacagtcctt ggtgatgata actcattata gacggattct 240

ggatcttttg aatcctacac atgtccatgt tatggtaact tactgttgat cttcaatatc 300

attgccagtt ctgaatatgg aatatgtatg atacatgggt gttcactttt cattactggg 360

attaaggagc tagtcctatc acattctttt caccccttata ttgggatact 410

<210> 3449
<211> 265
<212> DNA
<213> Glycine max

<400> 3449

gcttctagat gagttatgtc tgcgaatcgg acatcctgtg ataaagttat gaccatttga 60

atctctcgag tgcttccgtt gtttaatttc aagcgtctcg atattttatg tcctcaaatc 120

agacatcgga gcgaaatgtt atgaccattc gaatttgtcg agagcttccg tttttcaatt 180

tcgagcgtct agatgagtta tgtcaccgaa tccaacatct gagtgaaatg ttatgaccat 240

tcgaatttgt cgagagctcc cgttg 265

<210> 3450
<211> 326
<212> DNA
<213> Glycine max

<400> 3450

gctcaaacat tcaatttcga gcgtctcgat atattactgg actctatcat acatacgaga 60

aaaaagttat tgtcgtttga atttcctctg agcttcaaca ttcaatttca gcgtctggat 120

atattacggg actcaatcag acatccgagt aaaaagttat tgtcctttga attggatcag 180

aggttcaaca ttcaatatcg agcgactcga tatatctcgg gactcaatca gacatccgag 240

taaaaagtta ttgtcgtttc aattggctca gaggttcaac attcaatttt gagcgtcccg 300

atatattacg tcactgaatc ggacat 326

<210> 3451

<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3451

ctcgtccacg tggcccaggt caccggtgcg aatgataccg cttgccgtcg atctccatga 60

agacctgggc cgtggcgtnc gggcgcttcc agtagccgtc gaagacctcg ggtccgtgga 120

cgacgatttc gccctgctcg ccctgcggga catcggcgcc ggtttcgggg tcgatgacac 180

gcgcctcggt gctcatgata ggaatgccca ggcattgctg cttgggatgc tccaacgggt 240

tgctgtgcgt gggcgcggcc gtctcggtca ggccgtagcc ctcgctgaag cgcaggccgt 300

at 302

<210> 3452
<211> 396
<212> DNA
<213> Glycine max

<400> 3452

agctcgtatg acgggcatga ggaagatgaa cattgttgtt ctttgaagat atgttacttt 60

ggcagggaag gaaaatgcgc acgtgggaaa ttcgtcatgc aatggtgatg gtgtgggaaa 120

gtgtgaagat gggttgttgc ttaacgaaag taataatgat agtgttagtg ttggtggctt 180

gcttggggaa tgtgacatct ttgatgggaa atgggtgagg gatgaattca agccttacta 240

tccattgggg tcttgtacaa acgcagattg ggattttgat tgccatcttt atggatagcc 300

tgattgtgat tatgtcaagt ggaaatggca gccaaatggg tgtgacattc caaggaatgg 360

tgatgctttt gctgttgttg ttacaattgg aaatgg 396

<210> 3453
<211> 424
<212> DNA
<213> Glycine max

<400> 3453

gcttagttta tgattattta acactaagat aggggttttt ttaatatgtg tgagacatta 60

taagagtcaa atcttaactt atttatatga tagccacata tcctccagat ttaatataat 120

attcatgatc ttatttaaaa gtatattttg caataagaca tttaaataag gcataaattt 180

attttttcaat aaacttaatt ataaacttta acttaacttt ttgtgtagac cagcatgatt 240

aatatttaaa aagacaagta aatgtaatat tttagtaaat tataaccaat ctaatataat 300

aataatacta acaatgaata cttatttata aatttttaaa taaatcagcc tatttagcct 360

agaagaactt ttgaatgacc tagaacctaa cctggttaac taaataaact ctattagaag 420

tctt 424

<210> 3454
<211> 335
<212> DNA
<213> Glycine max

<400> 3454

ttcgagtgcc tgtatattga tgcgcctgaa tcagacatcc gagtgaaaag ttatgaccat 60

ttgaatttct cgagagcttc ctatgtttaa tttcgagcgt gtcgatatat tatacgcctg 120

aatcgaacct cagtgtaaaa agttatgacc atttgaattt cttgagagca tccgttgttc 180

attgttgagc gtctctatat gtgatgcacc tgaatcggac ctccgcgtga aaagatatga 240

ccatttgaat ttctcgagag ctttcgttgt tcaattttga gcgtctcgac atatgatgcg 300

cccgaatcgg acatccatgg gaaaagacat gacta 335

<210> 3455
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3455

tcttcactat acatcaagaa tcaccgggtt gagtcttctc tgtggttgtc ttactggctt 60

agcctcatct tctaaattta ttcgatgcat acatgtggat gggctaatac caggaatatc 120

tgccagggtc cagcctatag ctttcttatg cttcttgaga acaaataaca acttctcctc 180

ttgctcatca gcaagggagg cagatataat tactggaaaa cttttgccat catccaagta 240

agcatatttt aaattagatg gtagaggctt caattctggt gtgggcggct ggatattggt 300

ataaagagat ggtttctcat cctacacctc ataaagaaag tcgaggtatg tgtacttact 360

gaaacatggt tatgttgatc tgactctata anatcaatct caag 404

<210> 3456
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3456

cactatatac ctaagctctc gagctaatga tacttgngag ttagttcctc ttcttccaag 60

ctatatacct gcttggtgtt gatgggtata tgctataaaa gttggggcca acggacatat 120

tgatcgcctc aaagctcgat tggtagccga aagttatact cagatttatg gcctatatta 180

tggagatact ctcttccctg tggctaaaat taacttctgt tcgactcttt cttgccataa 240

ttgtgatccg tcattggcta ctatatcagg aggatattaa aaatgccatt ctacatgggg 300

aattagaaaa agagagttat atggagcaat cactgggatt tgttgc 346

<210> 3457
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3457

gacatcttga cttgctttcc aatctgacat ttaccactga ttctgcctnn nggtatagtc 60

agattgtgaa tgcctctaac agcacctctg tcaatgattt ttttcatgcc tcttaagtgc 120

agatgtccaa atctttgatg ccatattctg acttcatatt ctctggagaa tagacatgtg 180

gaggagtaac tggtttgttg aggtgtccat nnnnaacagt tggcctttga tctactggcc 240

ttcattaaga cttcactctt ctcatttgtc accaagcatt gtgactttga gaaggttaca 300

ttgaatactt catcacacag ctgactgatg ctgatcaagt aggaatctgt cccttcacca 360

ccgtactttg gccagactac gaaggacatc atggactagc ttt 403

<210> 3458
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3458

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tcagtgcttg cagaagcctt ctngaaccag aatttggacc gcaaatacat ggaatgtgtg 120

ctaaatttgg tttaaggagg aatgtttttg ctgggtgctc cctctgtgac atgtatgcaa 180

aatttggatt cttaccttca gcaataaagg ccttttatca aattgaaagc cctgatttag 240

tgtcatggaa tgcaattatt gcagcattat ctgacagtgg tgatgttaat gaagccatat 300

atttttttg tcagatgatg catacgggat tgatgccaga tggcattact tttctctcct 360

taccttgtgc ttgtgggagc ccagtgacaa tc 392

<210> 3459
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3459

cgcatgatnt acattctccc nctttctcaa gcaaattctt aattcttctt gacatcatca 60

aaatcttcat gatttacata taatagtcgc taagttcttc acttaaactc ttgcaagagt 120

catgaatact ataggaggaa tgtttttctc ttttcatttc tttcattatt tttcttcttt 180

ctttctctct tattttctct ctttcatctt gacttatttc ttccactctt ttttttacc 240

tttttctttt ctctcttgtt tttctttcca caacttaagg gatctcaact catctaatat 300

cttatacaag gggtccttat gagtagagcc ctcaccatta acactagatg aagaatgaag 360

actcatgttg gttcctatgt tatggttctt ccttggttgg ggtttgaaaa 410

<210> 3460
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3460

aatactccag cttatttgtg ggagccttgt agatcaccaa tgaattcgtg gatcatatac 60

gcgaagctca ttatgatgac ccgtttttgc aaggcaaggt gttagatgta atgggggata 120

acggtgtgga gtttgagaag gacacaaccg ggttaattag atttaagggg aggatatgtg 180

tgccatcttt agatgatttg aaagttaaga tcttggaaga agcacataaa agtcgtctta 240

gtttccatcc aggaatgact aagatgtacc aagatttgaa gagaaatttt tggtggcatt 300

gcatgaagaa agatgtactt gaatatgtat cgagatgttt gacatgtcaa aaggctaatg 360

ctgagcacca gcgaccatca ngagaacttg agccattgga aattttggaa ttgaaatggg 420

agagcatatc tatggatttt g 441

<210> 3461
<211> 433
<212> DNA
<213> Glycine max

<400> 3461

agctctgacg caacatttgg agaggttaat gaagtaatga gatgattaac tccatgagag 60

gttggatcaa atggagaata gagatcataa tgaagaagaa aggacgagaa gagggaatga 120

tggtgttcct agacaaaatc gaattgatgg tattaaactc aacattcctc cctttaaagg 180

aaagaatgat ccggacgcct acttggagtg ggagataaaa atagagcatg ttttctcatg 240

caacaactat gaggaggacc aaaaggtgaa gcttgccgcc atggagcttt tcgactatgc 300

tcttgtgtgg cggaacaagt tacaaaagga gagagcaaga aatgaagagc caatggttga 360

tacatgggcg gagatgaaaa ggatcatgac gaagcagtat gtgccgacta gttactcaag 420

ggacttgaaa ttc 433

<210> 3462
<211> 373
<212> DNA
<213> Glycine max

<400> 3462

tataatatat cgatacgctc aaaatttaac atcggataac ttttcacacg gatgctcgat 60

tcaggcgcat aagatgtcta gaggctcgaa attgaaaaac cgaagctcat gagaatttca 120

aatggacata acttttcaca cgaatgtccg attcaggctt ataatatatc gagatgctcg 180

aaattgaata acggaagctc ttgagaattt caaatggtca taacttgtca cactcgggtc 240

cgattcaggc ttataatata tcgagacgct cgaaattaaa catcggaagc tctcgagaga 300

ttcaattggt cataattttt cacacggatc tccgattcgg gcgcatcata tgtcgagacg 360

cgcgatattg aac 373

<210> 3463
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3463

cttgatctac caccaccgcc gccaccatca ttttagttnt tctcttattt taatattact 60

agtactttga tttctagccg tgtatttggc tatattatta tggcatttga acaatttagt 120

atttctttat ttgcatggtg tgtttgaaaa attatgaatt atgttatatg actatgtgac 180

ttttctatat atttgatcta gtcatgtttc ttgcttcatg attggtttgt atttttccat 240

gattgttgtg tgaatgatta gttgtatttg catgtttcat acttgttacg cactctggct 300

ttttgttgat tccaaagggg gagagaaata nggattaaat caagaactca catgagtaat 360

aaacttaatt tttagtgaat ca 382

<210> 3464
<211> 340
<212> DNA
<213> Glycine max

<400> 3464

agcttattct aaagcgggaa gagaaaaaag aaatttcata gaaaaactaa acccaagccg 60

agaagcacag aagcaactca cggtttgcga ataattttga aaaggacact attagaggcc 120

aggagaggtg caacagagag taccccgtga aagcccttaa caacttttga aagtcagaca 180

cgacgtcatt ctcgccgccc ccaccgtgct gtgcagaggc aacatcgact gtgtgcatct 240

cagctcctgc gaaatcctac aacagaccaa cgaccacaac gaccaatcca taattctaat 300

gcttatttgc gattaagagc aaaaacgaac atcgtacgac 340

<210> 3465
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3465

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gtatttagca attcttgctc tcttacctct tcgaggctct atttctggtt ctagttgtgc 120

aagattttca ctactaatag caggaaggtg actagatgaa gtacccccac tattccttaa 180

tttaaaagga aatttatttt cataaaaatc agcatcattt gactctatga tcacttttgc 240

gtttaggtca taaaacctat acactttgct attaataaca taaccaatga acactcattc 300

ataggctcta cttgcgagtt taaccctctt ggggtctagg atccttacat aggccaaaca 360

tncttaagtt ctcaaatagg acaaatttgg ctgtcttttc attaatatct catagggaga 420

tgtcttgc 428

<210> 3466
<211> 395
<212> DNA
<213> Glycine max

<400> 3466

cgttagtgtg tgttaaatgt ctaaaataaa gaaaaattat gtataatgtt tctctgttta 60

aaactttatc agtgaaaata aaatattttg aatatgaatt ttgtagtatt tttttaatta 120

gattaggttg gtgttaatga tttattagtg tgttaataat tcatgaacgt ttcaactttc 180

atttaaaaaa attagtagat catatttatt tgaagaaagt attttgagta tgaaatttat 240

tttaatatga agttgtagta ttttttttaat tagattaggt tcattctttt gtgttaaaaa 300

ttgataagcg ttcaagttga aagtgttatt tgatgatgtt ttgctgcttc ttgtatcata 360

tctaatttaa tatatctgta gtaattttgt aatta 395

<210> 3467
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3467

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tgtggctttg atgatgccaa acttgaatat gacattgagt gcatttggag ggtctgagtg 120

atgtaagctc cattggagct tgtacgccta ggatcttctt catcaataga ttcctttgct 180

tcttggaaga tgaagggcag tggaatggag aaggaagaga gagagtagat gccacttcaa 240

ggagaagatg agtctagaag aagctcacca ccataggagg ccatggataa gagcttggag 300

gaagaaggag atgaatgaag ggagaccgag agaacagcac canattttgt gctctacaag 360

atctctgaaa tatgaagctt aatattcaca tgatc 395

<210> 3468
<211> 376
<212> DNA
<213> Glycine max

<400> 3468

agcttaacaa aaggcatgcg aagcgggccc aatttctaga gcaattcttt tatgttatca 60

aacataaaaa ggcaacaggc actattgtag ccgatgctct ctctccgcgt catgcattac 120

tttctatgcc ttgaaacaaa attgatcggt cttgaatgtt cgaaaagcat gtatgaaaat 180

gacgaaactt ttcgagaaat ttctaacaat tgtgacaaat tttcacaaaa cggcctcttt 240

acacatgaac gctttctttt caaagaaaac aaatcgcgtg tgcctaaatg ttctactaca 300

aatttgcttg ctcgcgaagc acatgaacga ggtttaccgg cgcattctgg cgtccaaaac 360

actctagaaa catcac 376

<210> 3469
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3469

agcttgaagg caaactggat gcattggtta acttgttaac ccagctgttt ttgaaccata 60

aatctgtacn tgttgcaagg gtctgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcaccc cgaagcttat gctgctaata 180

tttacaatag acctnctcaa cctcagcagc aaaatcaacc tcagcacaac aattatgacc 240

tctccaacaa cagatacaac cctggatgga ggaaccaccc taatctcaga tggtctagcc 300

ctcagcaaca acaacaacaa cctgctcctt cctttcaaaa tgctgctggc ccaagcagac 360

catacacttc tccaccaatc caacaacagc aaccacccca acaaaacca 409

<210> 3470
<211> 390
<212> DNA
<213> Glycine max

<400> 3470

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aatggaagaa aaccctccca acttctctcc tgctctaaga cacatgctct taaaaggtcc 120

tccaatgact gaatggtccg ttcagttcgg ccatcagcct gaggatggta ggctgaactc 180

agtctaagct tggttcccac cgctctgttc aagctctccc aaaacctaga ggtaaatcta 240

cgatctctat catatactat gctacatggc acaccatgta acctgacaac cctccttata 300

tacaacgtag tcaacttttc caacgaatat ctgatactaa tgggaatgaa gtgagtacac 360

ttaatccatc tgccacaata acccatatag 390

<210> 3471
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3471

aacaagggaa gctctcgaga nactcanaga ncatttctta tcacacagat gttcgantca 60

ggcgcataat attccgagac gctcgaaatt gaacaacgaa tggttgtgag aaattcaaat 120

ggtcagaact tgtcacacgg atgttcgaat aaggcgcata atatatcaag atgctcgaaa 180

atgaacaacg aatgcccttg agaaatgcaa atggtcataa cttgtcacac ggatgactga 240

ttcaggcgca ttatatatcc ag 262

<210> 3472
<211> 397
<212> DNA
<213> Glycine max

<400> 3472

tgaagacaag actatacgag gtatcttcct tgggtatagc aatatctcta agggctaccg 60

tgtctacaac ttgcaaacta agaaactcgt catcagtcga gatgttgaag ttgatgagta 120

cgcttcttgg aattgggatg aagaaaaagt ggagaagaac gttcttatac ccgctcaact 180

acctcaagaa gaagttgagg aagaagaccc aggtgaacca ccttcacctt caccacaaca 240

ataagatcaa gaactatcat caccagagtc tactccaaga cgagtaagat ctttggtgga 300

catatatgaa acctgtaact tggccatact ttgacctgga agctcttgag aagcgtcaca 360

acatgaagta tgggtcaagg cgatggaaga agagata 397

<210> 3473
<211> 264
<212> DNA
<213> Glycine max

<400> 3473

ctcaagcctg tgtcgcactt tcaactggcg atgttgaata tataaacgtt tgaagcctat 60

ggactcaaag tctttggatg acgcaacaac ttatagactt tggagatatc ctcaatcaca 120

ttcctcttaa atgggacaac acaagtgctc ttaatctaac gaagaaccca attatgcatt 180

cttaaaccaa gcccacacga aataggcatc atttcctaag agaacatgtg tctaaagggg 240

actgttgcat tgagctcatt gata 264

<210> 3474
<211> 401
<212> DNA
<213> Glycine max

<400> 3474

agcttaatga acctcatatc caaatgcaaa acatgctgat gattcattca agcaatcaca 60

aacaagtaat cctaactata tgcagcgatg aataaaatta acaagggttg ggttgcctcc 120

cagtaagcgc tcgtttaacg tcattagctc gacgcatctt acttcatatg tcttgaaaat 180

acatgagagt ggtcatcctc ttaatatctc cttcacgata ctgctttaat ctctaaccat 240

ttactaccca tggtctgtct acattttcta attgaggatc aaataattcc acagccgcgt 300

agggcttgac atctttgatg atgaaaggtc cagaccattt ggattctatc ttgcctgtaa 360

ataatttcaa tcttgaattg aacaacaaca cttgctgtcc t 401

<210> 3475
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3475

ataatttaac atatntacag ccacaaatga aaacttgttc attgtccagt ccctcctacc 60

ctctctccta tctcctacca caacctcaac aaaccaaaaa aagacatact tcaaatcaca 120

gacaacactg ctggggccaa tatcctatct tttttcaccc aaaaatgggg tattagagaa 180

aagaattaca atgaagagag ttaaaattaa aaaatagact tctttatcga attttccttt 240

ccaaagtaaa aattggcatt tctaaagtag tcatctaccg ctattgtttt tcattgttta 300

aatgcaatga cccgtccctc atcaacgtta ggctcagact ggcaaacctc tctcgcgaat 360

actgccttga tgcttttctc caatctgtgc cagccttcat cattgtagca aattcgtcgt 420

aacttatcct tccatcctgc aatttcatg 449

<210> 3476
<211> 389
<212> DNA
<213> Glycine max

<400> 3476

gcaagcttgg tactacatct gggtttgatt cagcattaaa atatatattc ttctaatcat 60

tacatgatgt tgttctgatt ataatgaatt aaatgaagag ctcattgttt tagggttcaa 120

gatgtgtact tgcacggcga catcttcaac ttcctccaac cattccaagt gttgacgccg 180

agaagaaagg cttacgaaga acgctctttg aacgacttgc agacgcgtat ggagatgaaa 240

tcacatccat gcttactgtc cagcaccgta tgcatgaact tatcatggat tgcgcttcta 300

aagagctcta tcacagcacc gtactcccag tttttaaagc gtgtctcaag attgcattca 360

ttgcacagca atctttatat gccactaca 389

<210> 3477
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3477

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agtctttgga tgacgcaaca acttaaagac tttggagtta tcctcaatca cattcctctt 120

aaatgtgaca acacaagtgc tattaatcta acgaaaaacc caattatgca ttctagaacc 180

aagcacacag aaattaggca tcatttccta agagatcatg tgtctaaagg tgactggtgc 240

attgagttca ttgatagtga acatcaatta gtagacatca ttgatagtga actangcata 300

ttcgatgcat ctagcataga atgacatctt atntgcataa gggtatgttt cactttgtca 360

ttcatatcat nntgtcttgn ttgggtatgt gtttagctta gtgattcatg tgcattcttt 420

agttggttga atatcaca 438

<210> 3478
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3478

agcttcttag tttcagatga tgcagatggg tttgtagcta cctcatgcac tcctctaatg 60

actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt cctaattaaa 120

tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180

cttctctcca tattactgag tccttcataa aaatattgga aaagaagctg ttctgaaatc 240

tgatggtggg ggcaactggc acatagtttc ttaaatctct tccagtattc atacaggctc 300

tctccactga gttgtctaat acctgagata tcctnctgat ggttgtggtc ctggaagcac 360

ggaaaaattn ttctaagaat actc 384

<210> 3479
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3479

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tgtgtccatg ttttcgactt ctttatttca atttccaaat tttggttaat atattctttt 120

ctacaccctt tccacaaata attcaaaatt agatttatta aattagttgt aagactcaag 180

attctgtggt tcgttaataa attaatccaa tcaaaaagtt gtttaaaagt gtgtgttata 240

acttttttcta actagaaata tctagttttt actctttaaa cataaataaa actctaatta 300

aacattctaa ttaaaactct aattaataaa cttaaaagta tgtgttataa catgcttcct 360

acactctaat taaacattct ccctcggcac cacatanttt ataaaataaa atatttttag 420

tctctt 426

<210> 3480
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3480

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cctggttcaa gcacgacttt ctttctgctc ttgttggctc gccttgcata gctcgcattt 120

ttcttttcaa tttgaacctt cactcgctca tgcaacttct tcacatactc agctttagcc 180

tgcgcactcc tatgcttaaa catagcaatg ttacgcatac gcaacaaatc aacaggagtc 240

acaggattaa atccatacac tatctcacat ggtgaacaat tagttgtgct atgga 295

<210> 3481
<211> 447
<212> DNA
<213> Glycine max

<400> 3481

agcttatatc aagtaagtta tgctacactt cacataaact attagttatt caacaattta 60

tatatttgtt atcatcaaaa ctatgggtat tttggatcat ccagtcaaag cctgacatga 120

gaattgtcca gagatgcaac aacactagac tcattttaaa aaaaaaacta tagctttgta 180

ataatttttt tctatattgt ttttataaat aaattaaagc ttctatttat tttatatctc 240

atttttatt caaattaaaa tgtgacatgt tattaaaagg tatcattctt ttaattaatt 300

ttcctagcat tttacaatca tagattctta ttgattgaat tttcaactct atgatatatc 360

acacatattg aagaactaca cacaaaatca cattatacag aacactacac taacactagt 420

attctcataa agaacaaaac tttgata 447

<210> 3482
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3482

agcttgaagg caaactggat gcattggtta acttgttcac cctgctggcc ttgaatcaca 60

aatttgtacc tgtcgcaagg gtttgtggtt tgtgcttctc tgctgaccac catacagacc 120

ttcgcccttc catgcagcaa cctggagcaa tcgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240

tctccagcaa cagatacaac cctggatgga ggaatcaccc taacctcaga tggtncagcc 300

cttagcaaca acaacagcag cctgctcctt ccttccaaaa tgctgctggc ccaagcagac 360

catacatttc tccaccaatc caacaacagc aacaacccca gaaac 405

<210> 3483
<211> 336
<212> DNA
<213> Glycine max

<400> 3483

tccttgagaa gattcttaaa gaagctagag cttagctaca cacacctctc taatagctta 60

tctcacctca ttgagatgag aagctagagc ttagctacat acccccttata atagctaagc 120

tcacccccat gacaaaatac atgaaaatac aaaaaagtcc ctactacaaa gactactcaa 180

aatgcctcga aatacaaggc taaaacccta tactactaga atggccaaaa tacaaggccc 240

taatgaagga aaaacctatt ctaatattta caaagataag cgggctcata cttagcccat 300

gggctcaaaa tctaccctaa ggctcatgag aaccct 336

<210> 3484
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3484

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gttcttatgc ttgagagact tgcaggacaa tctttctact atttttttgga tggatactcg 120

ggttacaatt agattgcagt agatcctcac gaccaagaaa aaacagcttt cacatgtccc 180

ttcggtgttt ttgcttatcg tcgcatgcca ttccggttat gtaatggccc cgctaatttc 240

catanctgta tgacggctat tttttctggc atggtagaga aacgtattga tgtctttatg 300

gatgattttt cagttcttgg cgcatctttt gagaaccgcc tagccaatct agagaaagcg 360

ttacaacgct gtggagaatc ccatctggcg cttaactgcg aaaaatat 408

<210> 3485
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3485

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tccttaaaat acttaaaagg ccaaggaaag cttaataaga ggcatgctaa gtgggtagag 120

tttttagagc aatttccata tgtcatcaaa cataaaaaag ggaaagggaa tgtaccggtt 180

gatgcgctgt ctatgagaca tgctttactt gctatgcttg aaactaaact gtttggtctc 240

gagtctttga aagacatgta tgtgaatgat gtggactttg ctgaaatttt tgctgcatgt 300

gaaaagtttt ctgaaaatgg ttactatang cataatggat tcttgtttaa agcaaataaa 360

ttgtgtgtgc ctaagtgttc cattagagag ttgcttgtga gtgaatcaca 410

<210> 3486
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3486

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ctaagatttt gcatacacct cccttaaagc gaagtgtgta gtctctctac atcatttggc 120

caatgcttag aagattttct tttacgctag gaactagtaa gacatcatgg atgagtcgcg 180

tacatttata tgtctccacc atgacagtgc ctttgccttt tgatttaacc acacttacat 240

ttcccactcc aactttgact ttgacagact catcaatact tttgaaaata gtctcattct 300

tggncatgtg attgctacat ccactatcca agtaccagct ttcctccttt tcttttattg 360

agtcttgagt ggccgacaac gcacattgtt cttgatcatc gctctctgtg atattagctt 420

gatgccta 428

<210> 3487
<211> 345

<212> DNA
<213> Glycine max

<400> 3487

agcttaaggt taatttcaat gctgctaaca cactacctag tgagacgctt accacgtatg 60

tcatacaaag atgatttact ttgtggggca tatcaaaacg cgaaccaagt taacaactct 120

gctctaagta aaaacattat ttccacctca agacctttag agttgttaca tcctgatcta 180

tctggaccaa ccagaaacac atctatcact ggaaagaggt atgaacttgt cctagcgcat 240

gactattcta gatggagatg ggttatgctt ctatctcaca aggatgactc tttcaatgtc 300

ttctttaaat tctgcaaaag agttcaaaac gaaaaaagag tatgc 345

<210> 3488
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3488

tagaagatta ttcaaatggt cataactttt cactcggatg tattattcag gtgtatcaca 60

tatcgagacg ctcgaaatcg aacaacaaga gctctcgaga aattccaatt gtcagaacct 120

ttcacactga ggtccaattc agccgcatca catatcgaga cgctcgaaat ttaacaacgg 180

aagctctgac aaaattcaga tgctaataac ttttcactcg gatgttcgat tcaggcgcgt 240

tacatatcga gacgctccta attgaacaac agaagctctc gagaaattcc natggtcaaa 300

aattttcaca c 311

<210> 3489
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3489

agcttntaat ggaagtcaag agcaagcaat tgtgccgacc cgccgactgg tgagcacgta 60

tatgagcggg ttcaacaatt caatactgca tttggcaaga tccaaccgaa cgatcaacgt 120

cacagttgca tatggaacaa cacgtccatt ttctctgatc ttccgtactg gtctgatctt 180

gacgctagac atcgcattga tgctatgcct gcgcagacac atgtttgtga cactgtgatt 240

gtgaccctcc ttaacattca acgcacgacg aaggatggnt tgaatacccc gccaagacta 300

gctgatatgg gcataccatc acagttgcat cccaggcttg atggg 345

<210> 3490
<211> 387
<212> DNA
<213> Glycine max

<400> 3490

agcttgtgca tataatactc tgatgacgat gtcttatatg ttcttaaatc tggactgatc 60

cacttgctgc ccaagtttca tggtcttgta ggtgaagacc ctcataaaca tctgaaagaa 120

ttccatattg cctgctccac catgaatcct tcagatgtcc aagaagatca catttttcta 180

aaggcctttc ctcattcttt agagtgagtg cgaaaggact ggctatatta ccttgctcca 240

aggtctatca ccagctacga tgaccttaag agagtattct tagaaaaaaa tttccctgct 300

tccaggacca ccaccatcag aaaggatatt ttacgcatta ggcaactcag tggagagagc 360

ctatatgaat actgcgagag atttaaa 387

<210> 3491
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3491

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atcgagacgc tcgaaattca gaacaaaagc tctgagcaaa atcaaacgac aataactttt 120

tactcggatg tccgaatgaa tctcgtaata tatcgagccg ctcgtaattg aaaacagaag 180

ctctgagcaa attcaaacga caataacttt ttacttgtat gtccgattgt ttcccgcagt 240

ataacgagac cctcgtaatt gaaaccagaa gctcgtagca aactcacacg gcaataaatt 300

tttactcgga tgtccgaatg aatcccataa tatatcgag 339

<210> 3492
<211> 338
<212> DNA
<213> Glycine max

<400> 3492

tattgggctg taaagacctg caacttctct attgatcagg ctttatagga aaggaagttg 60

caactaagtg agctagatga gatccgttta gaagcctatg agaattccaa attctacaag 120

gagaagacca agaagttcca tgatagtttg atagctaaga aggactttgt ggttggacag 180

aaagttttat tgtataactc taggttcaga ctcatgaatg gtaagttgag gtaaaagtgg 240

attggtcctt ttgtggtgac taatgttttt ccttatggta cagttgagat caaaagtgaa 300

tccacagatt agagcttcag ggccatggac actggctg 338

<210> 3493
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3493

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ctattagtgc aaactgtttt gctatgttct gtgtttttt gatcgtgttg gggttctgag 120

tttgaaagtt gaacggttgt gtttagcttt ctgaaccaaa ggttacaagg gccttggtat 180

gttgttgttg ntgtatggca ctataacaca tgaatgcact ttggtttgca acctgctgcg 240

tctgcaaagg gttgtgaagc caatttaata ttaaataaaa acaaatgctn tctctctttc 300

tctctntgna tgtttatnga acaattataa atatttatag attatcttca ataatatttg 360

atgaaaatat aatttaataa tattctatat taatccaact tcttatatag tcatgtaatt 420

tac 423

<210> 3494
<211> 358
<212> DNA
<213> Glycine max

<400> 3494

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tcgcaagggc attggataga agactccaag cagattgggc cacagatgca agaaaatgcc 120

ctacggctct cgtgagcctt ataatagatg tcagacacat gggcttagta tgagtccact 180

tatctttgta catattataa taagagttca ttattattgt tccttgtatt tacggctcca 240

tgactgtcgt acgataccct agatatgtac gattctccat ccctcgtatt ctaaggcacc 300

tatgctagct tttatattat tggtaactat ataatttcac atgcgttaag gcatattt 358

<210> 3495
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3495

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tgctgctatg gttgcgtacc ctttaatgaa gcgtcgataa aaaacctgat aaacctagga 120

atccnctcaa cgctcgagtc gactgagggg tcggccattg ttgcacgacg gcaactttcg 180

caggaactgg ttcaacgcct tttgcagaaa ccaagtgacc caggtattcc acttgttggg 240

tcgcaaagga acatttggat agtttcacga caaagctgtt gtcggtgaga gtttgcaagg 300

ccatccgcag attctcgaga tgatcagaga aactctggct gtatattaga atatcgtcca 360

agaagatgat aacccattta tgcaagtagg gtccaa 396

<210> 3496
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3496

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gaccaagaaa aaaacacact ttctgcacag aagcatggta aggtagagaa gtaataacat 120

caatcttggc cttattgacc tcaatacctc tactagagac caaatgcctt agaactatat 180

catcatgtac cataaaatgg aatttctcaa agttaaaaac aaggttagtc acaatgtagt 240

agtcaagaac ttgagagagg ctatccaaac atgcataaaa aaggaaccat aaacagtgaa 300

atcatccaca aacaccttca tg 322

<210> 3497
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3497

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gtttatgagc aactcaggat tcataagatg tgacatggac catngctact atgttgagaa 120

atatactaat agttatgtta tccttgtcgc gtatgttgat gacatgttga ttacaggatc 180

tagtatgata gaaattaata gtttgaagca atagttggca gataactttg aaatgaagga 240

tcttggtcca gctatacaaa tccttggtat gagaattctt agaaacagat cagaaggaga 300

tttgaagttg tctcaggaga aatatataca caagttgctt gacaggtttt accttgaaga 360

atctaagacc aggaataccn ctttgggatc t 391

<210> 3498
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3498

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tatatctaaa ttatcagata cataatagaa gatatataaa ctaacgcata aacgtatata 120

gcatgtatag atatcaatgt gccaattcca aataaagttt acgtgaaaga ataagacaat 180

taggtaatca attacacttt tatatatagc aaatggaaga ttgacattca agctaggagt 240

tcacgattct caaaatatta atacataaaa gtgagctaat tcaaatacaa ggatcacaaa 300

aattgaattt cacgtcacca caaattacaa taaacaaatg aatatatata gtgtaaaaaa 360

ataagaatca cgatactgca aattgcacag ttaatgtaac aaactgaaat agaagaaggg 420

gtgtgggaat ngaaagcaaa tngatatcaa ttattagtag tgcat 465

<210> 3499
<211> 442
<212> DNA
<213> Glycine max

<400> 3499

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caattttcct tatcctacaa gtctatcttc tttaacttca agccattatt gcttttcaaa 120

actacatgta ccttgtcttg tactgactat aactcccact ttttaatcac tttaattcaa 180

gtggattaat ttaatgtcat gtgaaaaatt gagtatattc tttaaaaaca tggcactatc 240

tatgaacaat gttcctctaa tttgtaacct atcgttagac aattaatgaa gttggcagaa 300

gacgttgatg tcgttgatta atatgctccc ctaataataa tttcgggaca tctctaaagg 360

tagtatcata attaaattta aattgaaggt ttcttaacaa gtaattacta attaagaaat 420

attaaaaaaa ttaataatat at 442

<210> 3500
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3500

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tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca attgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcanttg tcaccaagca ttctgactnt 300

gtgaagttta cattgaatcc ttcatcacac aactgactga tgctgatcaa gtttgcagtc 360

cagcccttca ccaccagtac tttgttcaga ctaggaagac catcatggac tagctttccc 420

at 422

<210> 3501
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3501

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aaaagttatg gtcctttgta ttggatcaga gcttcaacat tcaatttcga gcgtctcgat 120

atgttacagg actcaatccc acatcacaga aaaaagttat cgtcgtttga gttggctcag 180

agattcaaca ttcaatttcg agcgtctcga tatgttacgg gactcaatca gacatccgag 240

aaaaaagtta ttgtcgtttg aattggctca gagcttcaac attcaatttc gagcgtctcg 300

atatgttacg ggactcaatc agacatccga gtaaaaattt attgtcgttt gaattggctc 360

agagcttcan agttcaattt cgagcgtctc gatatgttac gggactcaat cagacatccg 420

ag 422

<210> 3502
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3502

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tccatatgtc atgtgcctga atcggacctc cgtgagaaaa tctatgacca tttgaacttc 120

tctagagctt ccgttgtgta atttcgagct tctcgatatc tgatgtgcct gaatcggaca 180

ttcgagtgaa aagttgggac aatttcaatt tctccagagc ttccggtagt caattatgag 240

cgtctcgata tgtgatgtgc ctgaatcgga gctccgagtg agaacttatg accatttgaa 300

ttgctctaga gct 313

<210> 3503
<211> 423
<212> DNA
<213> Glycine max

<400> 3503

acctgcatgc gagcaagctt cggtattcaa tttcgagcgt ctcgatatat tacgggactc 60

aaattgactt ccgagttaaa cgttattggc gtgggaaaat cctcagagct ttggaattca 120

attgcgagcg tctcgatata ttacgggtct caactcagac atccgagtaa aaagttattg 180

tcgtttgaat tagctctgag gttcagaatt cacattcgag cgtctcaata gattacggga 240

ctcaataaga cattcgagca aaaagttgtt gtcgcttgaa ttagctaaga gcttcacaat 300

tcaatttcga gcgtctcgat atattatggg actcaatccg acattcgagt aaaacggtat 360

tgccgcttga aaatcctcag agcttcggta ttcaatttcg agcgtgtcga tatattacgg 420

gac 423

<210> 3504
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3504

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tgtagttaac ttaattatta gcattaaatt tataatactt ttccaaattt atctttaatt 120

ttatagggga cctattcatc ttctctaatc ttcataggag agagaaagag ataattcatg 180

gtattttagt caaaatagtt aatgcaccat atagatgaaa taaaatctta taataagaaa 240

caaaaaaatt tgttgactat gtcttgtaaa taaggactaa gttagtattt taattaaatt 300

gatgtttgaa agtttaggta gttggatcag tctttggtgc cattgttgga ggcacgaatt 360

tggatgaaag gaagcgatgt gcagaggagg tagccaagcg aaatgtatca ggtttctttn 420

tcttttggtg gtnntgaaat tgcgattagt ggttttgaac cttctttaat tatac 475

<210> 3505
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3505

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taatcgatta tcagtgtatc tgaacgttga aattcaaatt caattgtgaa gagtcatatc 120

ttttcataaa atgcattgtg taatcgatta catgattatg gtaatcgatt accagtgaca 180

agttttgaat aaaaggtcaa gagatgtaac tcttccaatg gttttctcaa agattttctc 240

aaggttataa ctcttccaat ggttttcttg accagacatg aagagtctat aaaagcaaga 300

ccttgacttg cattcaaaca actnttagaa ctttnttaga acctcttgaa caacttttga 360

gaaatcttga aacctttcct tctcatcttt cttcttcttc ttcctttgcc aaaaagcttt 420

ctaagttttc tgttttccaa accttgttct tctacagaaa acaaaagt 468

<210> 3506
<211> 477
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3506

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acattattag ggattcggag ttgaatcacg aggaacaacc ttgaaggttc ctaatccttt 120

tgctataaaa caaggtaaca taacaaaaat aaaaaaaaaa tgtatatgaa gaaaaatgga 180

tgttcaacat catggtcatt gatacacatg gtgcacaaga taagaaagtc tacactaatt 240

gtagatgtga ccatatgaat ctctcaaagg acttttataa tgttacaagg gatatacata 300

actaaacgtt gactacaaat tataaaagag gtctcttttg ttgttatgtc aactttcagt 360

gcaaacaaat agagggttnt caaggttcaa ggagaatgaa ttccttaaga tacanaataa 420

gttgggttga ttggaacaaa caccaagtac cagataaagt ttatattctt catttca 477

<210> 3507
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3507

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gtggccaagg atgcatggga tatcctgaaa accactcatg aaggaacctc caaagtgaag 120

atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaatatgaa ggaggaagaa 180

tgtattcatg actttcacat gaacattctt gaaattgcca atgcttgcac tgccttgnga 240

gagaggatga cagatgaaaa gctggcgaga aagagcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacatat gcaacttgag agtggatgaa 360

ctcattggtt cccttcaaac ctttgagcta ggactctcgg atagggctga acagaagagc 420

aagaatct 428

<210> 3508
<211> 344
<212> DNA
<213> Glycine max

<400> 3508

agcttataat atatcgatac gctcgaaatt aaacatctga aactctcgta taattcaaat 60

agtcataact attcacacgg atgtccgatt caggcttata atatatcgat acgctcgaaa 120

ttaaacatcg gaaactctcg cgaaattcaa atggtcataa cttttcacac ggatatccga 180

ttcgggcaca taatatgtcg agaagctcga tattgaacaa cgaaagttct ttacatatca 240

aatggtctta acttttcaca cggatgtccg attcaggaat atcacatatc gagacgctca 300

tattgaacac accaagctct tgagaaattc aattgggcct aact 344

<210> 3509
<211> 339
<212> DNA
<213> Glycine max

<400> 3509

agcttatgac cattcgaatt ttttgagagt ttccgttgtt cacactctag cgtgaatatg 60

agttatgtcc ccgaatcgga catctgtgtg aaaagctatg accattcgat tttctcgaga 120

gcttccgttg atccacctcg agcgtctcga tattgtacga ccccgaattg gacatctgtg 180

tgaaaacgta tgaccattca attttctcga gagcttcctg tgaacaattt cgagcgtcta 240

gatgtggtat gtcccctaat cggacattcg agtgaaaact tatgaccatt cgagtttctc 300

gagagcttcc gatgttcaat ttcgagcgtc tcgatatat 339

<210> 3510
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3510

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nttatntttt ttgttattgt tcttccaatc ttattcgttc ttccttcgac acagacacat 120

ataagcaaaa tgcattattt aaagtaaatt attgttatct aaacctctgc cgatcctata 180

taataatatt gcatatgcat ntcttgaaat ggaatcttat acacatataa ttaagtgata 240

agccatcatg tttaatgtgt caatcaagca tatgaactaa attattattc tttagaaact 300

aattatgaat actaattaat gaagatgatt gcttagtgng gaagcataca tgatgcatta 360

actgatgaag tatgacccac aaattaatat ataacacata tcacaaagtc aaattaatag 420

agctagttga tcaatttaca aacaaaatt 449

<210> 3511
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3511

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ctgaaattgc atattctgga tggtcatttg cctcactaac tcctctaagg aaggttgaga 120

aggggcctga cttgcttgtt gtctttgtcg ctattgctgc attggaggag gaacatatgg 180

cctgcttaga ctatcaacat tctagaaatg agggacaaat tgttgttgct gctgttgttg 240

ttgtggagga tttgcccatc tcagattcgg atgattcctc caacctggat tgtatttgat 300

gcttgaaaga ttataattat tctgctgatg ttgagctttt tgttgagggg gtctattata 360

aatgtatgca gcataggctt cacgttgctc attgactcca ggttgctgca aagaacgata 420

gagatctgta tggtgatcaa cagaagaaca t 451

<210> 3512
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3512

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tagagtacct cttttcaaat gtaagtgggt gaatggaaac acaggtgtgc gtaaagacaa 120

aatgggattc actttagtag accttaaaaa agttggttac aaggacgacc cattcataat 180

ggcagcgtaa gctcgacgtg tgttttatgt agaagatcca tgcgactcta gatgggcggt 240

ggttttgcaa gggagaacaa tttgtatcgg tcaccatgtt gatggatcaa cacttgatgt 300

cactgacatg ccgtctttct ccaaagatat gccttcaagt actgttgaac aggaagagga 360

tgatgtatat gcaaatc 377

<210> 3513
<211> 473

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3513

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tatggtatat cttcttataa tgagtcaacc aatgacagat gttacccaaa aagagccttg 120

aagcatataa cctctaggcc caaattctaa accagtaaaa tgtaagatgt gctagtgaga 180

tgaaatgtga tgcagtgctt gttaatgaag ggaaaaaaaa gaagctaaaa agctccacca 240

tggcttgaaa aagaattgat aagggtttct tattttcggt aatctattat atggttggtg 300

cacaataatt tagaaggcag gatatgtata gaagtntgta tgaccaacta aagtgttcat 360

aagctaagta ctccacaaac ttatgtacct gtggccatat attcaggagc aacatagcca 420

tatgtgccca ttacccttgt agagacatgg ctcttatcac cagctggtcc atc 473

<210> 3514
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3514

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gtcaaccgtt aataaaaaga agacaagagg tatcatgaga gtaataaaga aatgaatctc 120

atttttcata acagaggaaa ctgtgatgac ttatctacaa aacccataag aaaatagaaa 180

tgcaacaaca ctttagcact caaaatgcaa tttcatcctc aattaactta aatatattnt 240

tagtctttta aatttgagtt acttaaatat gtttgtggaa tgttagtata attgttttgt 300

aaaaaattcc aatgtaaaaa gaatagatat gagtagtaaa ctttattaaa agacaattga 360

tcgaataact tcccgcataa aattattgta cattaactgt aactcttaag taatatgatg 420

atatagaata tgtacataat aatatatcac 450

<210> 3515
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3515

agcttcctat ggatttaata gtgtcaccat agttctccaa gtaaacctat caagaggtga 60

tccctcttgc tgtctgattn tcaattggac aagcacgtaa attggaattg tgagcttaac 120

accaattaca atgttgacca gagcataata attctgaccc atcattgcct gacatgtggt 180

gaggccttgg aaaggttctt ttaccaactc atagtangtg tcattcttgc ttgtagtgta 240

nggtgtgtta tactggtaga tgtttcctga aacaaaacat angaacaatg attgacttat 300

cggactntnt aatcatacat tataaaacta attatttcac acttcgtgtt aattaagtac 360

tagtattaat gacaaaatga gcaataacat attgaatcct tatttgtggc agcataagct 420

cggagacact ta 432

<210> 3516
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3516

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aatggtcata actntttaca cggatgtccg attcgggcgc ataatatgtc gagagtctag 120

aaattgaaca accgaaactt ttgagaaatt catatggtca caactattca cacggatgcc 180

cgattcaagc ttatgatata tcgagacgct cgaaattaaa cgtcggaaac tctcgggaaa 240

ttcaaatagg cataactatt cacacggatg tccgattcgg gcgcttaata tgtcgagagg 300

ctcaaaattg aacaacggaa gctcttgaga aattcaactg ttataacttt tca 353

<210> 3517
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3517

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tgtccaaagc aacgagggtt gaacagttgc tgagcgtggg tggaataaaa cccgtgaacc 120

ggttgttctg caggtaaagt tccttcagaa tattattatt cccagcgtca ccaccgcaca 180

gcgttgtcgg gattgagccg ctgaagttgt tggagctaag atccagcgac tctaaagtgg 240

agagcttcgt cagagactcc ggaaggggac caaggaacgc gttgaacgcc accgcgagct 300

ctntgaggct nttcattggc gtgagaacgt ccataggcag cgcaccggcg aagaggttgc 360

tggagatgtc gaaggactga agagaagtgc aagcgccgaa cgcttcggng agagcgcctg 420

<210> 3518
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3518

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atgcaaggaa gaacttctcc aagaacaccc tcttaaggtc atcccaattg aaaatagacc 120

tgtgagcaac gtagtataac caatcttttg ccactccctc tagagaatga ggaagaacct 180

ttagaaaaat atgatcttct ttgacatcac ggggcttcat ggtggaacaa acaatatgga 240

actccttaag atgcttatga ggatcttcac ctgcaagacc atgaaac 287

<210> 3519
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3519

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ttggatatct aaatcaaatc ccatcatatg gtcatcgaga agttctgatc ttatattcgg 120

ctctcagtac atgtgatcct ggtgatctca tggaaaccat ccagaaatgc aaaaagagta 180

aaataaggtg ctcagtcatt ggtcttgcag ctgaaatgtt tgtgtgcaaa catctctgcg 240

aggaaactgg agggacttat tctgttgcac tagatgaggt tagtttgttg attttgatga 300

tacccatgta gatgtagtac aaatacaaat aattatctat gannagttat tgaatnttta 360

tagtcaagca accttaattt aagcaagtac ttaagatatt gctgatcacc ttagaatttg 420

tttgcatctt tcaagtgttt gaaattcatg aatgtatgca ttat 464

<210> 3520

<211> 467
<212> DNA
<213> Glycine max

<400> 3520

tagcattact tattacccaa agagtttgtc attcatagtg atcacgagtc cttaaaatac 60

ttaagaggcc aaggaaagct taataagagg catgctaagt gggtagagtt attagagcaa 120

tttccatatg tcatcaaaca taaaaaaggg aaagggaatg tactggctga tgcgctgtct 180

aggagacatg ctttactagc tatgcttgaa actaaactgt ttggtctcga gtctatgaaa 240

gacatgtatg tgaatgaagt ggactttgct gaaattctag ctgcatgtga aaagttttct 300

gaaaatggtt actataggca taatggattc ttgtttaaag cagataaatt gtgtgtgcct 360

aagtgttcca ttagagagtg gcttgtgagt gaatcacata acgaggggat gatgggacac 420

tctgtgattc aaaagaccct gtaaattctg caagagcatt tcttttg 467

<210> 3521
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3521

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ctaagatttt gcatacacct ccttcaaagt gaagtgtgta gtctctctcc atcatttggc 120

caatgcttag aagattttct tttaggctag gaactagtaa gacatcatgg atgagtcgcg 180

tacatttata tgtctccacc atgacagtgc ctttngcctt tgatttaacc acacttacat 240

ttcccagtcg aactntgact ntgacagact catcaatact tttgaaaata gtctcatcct 300

tggccatgtg attgctacat ccactatcca agtaccagct tcctcccttt ccttttattg 360

agtcttgagt ggcgtagaac gtacattgtt cttgatcatg ctcctctgtg atattagctt 420

gatgcctatt tttggtgcga caattt 446

<210> 3522
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3522

agcacctaat gtcatattag atgggaattg tgtatcttaa cataagagat ttcagatgga 60

ctttaatcat aatcccacag ctgacctttt cacgagatct ctacttaacc ctttggttaa 120

atgatcggcc aataaatatg cacatagaat cattagattc tagcatctcg tgactctata 180

accgagttca cagcaacaga atcattagat tctagcacat agaatctata tgctttagaa 240

tgttcagctg atccaataaa tatgcaatct atacctcttt cacctatggt tttcctttta 300

ggttctgtaa gcctgactac agccctacat ccncaaattt tgagataact canattaaca 360

tagcctcacc ccanaatcct tcacttaaac ccgaatagga taacatggaa ttcaccattt 420

ctttcaaggt tctattcttc ctttcagcta caccattct 459

<210> 3523
<211> 437
<212> DNA
<213> Glycine max

<400> 3523

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gtgactaaag tcagaatagt tctaattgtt ataggtttca caactgggga aaatgtttct 120

ttgaaatcaa aatcaggctg ttgatggaag ccttttgcta caagacgtgc cttgtactta 180

ctgacagacc catctgaatt atgcttgact ctaaaaaccc acttgcaacc aattggttgc 240

ctagtaggag gtttaggaac cagttcccat gtattgtttt tgagtagtgc agccatttct 300

tcatccatag catctttcca cttaggatct ttaagtgctg ttttgacagt tttaggcaca 360

gcatgagtta gaagcaaggt tggttggagt ctaggcttga caattccatt ttttgatcta 420

gttgtcatag gatgaat 437

<210> 3524
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3524

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aggactgaag attaattttg ctaagagttc ttttggtgct tttggagtat cagctcaatg 120

gaagcacctc gcggccaagt atttgaattg cagcttgatg gcttttcctt ttgtgtacct 180

gggtattccc attgaggcca atccgaggcg gagtagaatg tgggattcca ttattcacaa 240

atgtgagaga aaactctcaa attggaagaa aaggcatatc tcattcggng gacgagtgac 300

actgatccaa tctgttctaa cttccatccc tatctttttc ttttcttttt tcaggattcc 360

tcaatcggtg gcaaccaaat tagtaaagat tcagcgtgta ttcctttgng gaggggagca 420

tgatcaaaag aagatagctt ggataagttg 450

<210> 3525
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3525

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catacaagag aaggtggaga acacactctt tcttccttnt cagaatatat acacaattgt 120

catacctatt tctgatgaag ccatacctga tcaagaactc atcaaacttc aaataccaca 180

ttcgagggct tngcttcagt ccatacaaag atttttttcaa caaacacacc ttgttctccc 240

ctctttcaaa accttcaggc tgattcatgt aaatggtttc cttcatattt ccatgaagaa 300

aagcagtttt aacatctagc tattcacgtt ccaaatcata ctgatttac 349

<210> 3526
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3526

attgaaatta aaagacatta caagtgatag ttataaggtg atgtatctaa aattgattga 60

aacagtggcc aaacattaat tatacatcta tttatttaaa atatactaca acaaatggag 120

aattttaaaa ttgtgtatta ggataataat ttttttcttt aattgtgtga agactttacc 180

cgtattcaca ccgaaatcaa tctcttgtta taaattcttt tgaactttat tagtttgagt 240

atggtgtatt atgctcttct atagaagctt atatntatag tgttaaagaa actatgaatt 300

tgatcttttt agaagagaga tttgatttac aataatctca tatttcttta ttntaataaa 360

ctctccgatt taatgcagag atacttntca cataatcaca tgactaaata taagagaaga 420

ttgattatat attaattata taacaataaa agattattcg tatntttat 469

<210> 3527
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3527

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aaattaaaga gtgagtgtat aatacaaatc tgctctttcg gcatgatttt gcttttctgc 120

ttttccaaac acattcaaag cagatccctc acgatataaa ttatcttcag ccctaactgg 180

attgactttt tatcttgtaa aaacaacata tttcggaaac atcaattgag tagataaaaa 240

ttccataatc atacccaatc aaacatgtca accactaaca tctttcaaag gaaagataac 300

tgaagattgc cactgaaaca tgccataata tcattaattc attattattc agattcagac 360

acttccattt aacatgagta gattcccttc ttattttcaa aaaacaacac anagttaggg 420

gttaattaaa aaatcactgt tatatttatt tatgtgtgga tcacct 466

<210> 3528
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3528

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acatacgtgg atcatatttg aacgcctctg tctgtgatgg accttaatcg gacctccgtg 120

tgaacaggta tgaccatttg aatttctcga gagcttccgt tgttcaatgt ctagcgtctc 180

gacatattat gcgcccgaat cggacatccg tgggaaaagc tatgaccatt tgaatntctc 240

gagagcttcc ggtgttgaat 260

<210> 3529
<211> 350
<212> DNA
<213> Glycine max

<400> 3529

cgagtgcctg tatattgatg cgcctgaaat cgtcattcga gtgaaaagtt atgaccattt 60

gaatttctcg agagctttct atgtttaatt ttgagcgtct cgatatatta tacgcctgaa 120

tcggacctca gtgtgaaaag ttatgaccat ttgaatttct tgagagcatc cgttgatcat 180

tttcgagcgt ctctatatgt gatgcacctt aatcggacct ccgtgtgaaa aggtatgacc 240

atttgaattt ctcgagagct tccgttgttc aatttcgagc gtctcgacat attatgcgcc 300

cgaatcggac atccatggga aaagctatga ccatttgaat ttctcgagag 350

<210> 3530
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3530

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cctaagttat cttttccatt attcaataca naacatttac aaccaaagat atgaagatgt 120

gagatgtttg gttntctgcc attgaacaat tcatatggag ttttctttaa aatgggtctt 180

attaaagccc tatttaaaat gtagcacgca gtgttaacgg cttcagccca aaagtttttt 240

ggaagaggag tatcatttaa taaagttcta gcaatctctt ccnagatcta tttttccttt 300

ccacaacacc atttt 315

<210> 3531
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3531

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ataaccactt ttcacatgtt agcattatta gaatgcttca ttaatattat tttattgctg 120

taccatcttg cttccttatt gtcttttagg tttccatttc tacttttttt ctcctagaaa 180

aagcttgttg agttagaatc tttaacaact tgtgctgttc atggacattn gtgtttctaa 240

ctatgacaat cttctgtttt aggctgttaa aatattaacg acagattatg aaccctcaga 300

tttagacatc ctttatgctg agggagttac ttcatctaat ggngtggctt gtgtggagtt 360

ttcatttccc aatcagcttc tgacgaaact gttgacacta ctgatctaca tgattctttg 420

gtcaggtatg tgaaaa 436

<210> 3532
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3532

ngtatattgt cttattcaaa actggaccac tntcatattc ttctttcgca ttggcataat 60

gttcaattac tgtcaaggct tttggagcat ctataacttg ttcaactata ttgtgtgcaa 120

catttcggtt gataagctgc atcaaatctc tctttttcct ctgtattctt tcagcacaga 180

aagtattttt tggttctcaa ttgcttggca actatagttt gtatctctcc tttgacgatc 240

ttcttccgta tcgcatccag agaagccccc ttctcaagct cttctaacaa tacttttctt 300

gcttcctcaa attccatcta attcaattaa gcagtgagtg ccaaaaagta ttgttagaga 360

aaatgaaata tgatngacaa tctaagtaat taatatttaa tactcagcag aaaaaagaag 420

aaatcagaaa agatgttata aagttacaag ttgttggtcc 460

<210> 3533
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3533

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caagatggtc attgaccaat ccctatttta tgatttaacc aaattgccta gtgaaggtgt 120

gccttttgag ggtgcactga ttgatgaatg gaaattcgat ttctctatgc atgatgcccg 180

ccggttggtt tgcaccaacc aagcggatat gaccggaaga cttcttgtcg gttcattggc 240

ttttgaaagt cgcatcctcc attaccttat agtttgcatt ntgcttccta gatcttcaaa 300

ccttgcccaa gtttctgaag aagatctca 329

<210> 3534
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3534

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ccgtttgccc atcggtttgt gggtgacaag tggttgaaaa taacaattta gtgcccaact 120

tgctccacaa agtcctccaa aaatggctta ggaacttaga gtccctatca ctaacaatgc 180

tccttggcaa accatggagt ctcacaatct ccttgaaaaa caaatcagcc acatgggaag 240

catcatcaac tnttttacat ggaataaaat gagccatttt agaaaaccta tcaacaacca 300

caaaaatgga atctctacca ttgcttgttt ttggcagccc caaaacaaaa tccatggata 360

aatcaatcca aggatactcc ggaattggca atggagtata caatccatga ggctttacct 420

tagactttgc ctttntacat acaatgcaat gttcacaaaa tttctgcaca 470

<210> 3535
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3535

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cattaaaggt ataaggagag gccataacgg ggctgactgt tgtcgtgcta actatggctt 120

tctcacagaa acattacaca tgcttaccct aatgatccgg tattgtgaat gcacattgtg 180

tgtgatggct gcgaacatgt caccgattga tgtcatcact catgttccta ttctttgtga 240

agagtctgac gttccttata tctatgttcc atctagagaa gtacgcaacc aactctgcat 300

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<210> 3536
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3536

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gcttaggacc ccaatcaatg ctcttagatt tcatgaggat aaggcagtga tcagagtagc 120

tcctttcaac gttgtgctgc gaactgtctg gccacttata aagccaacca tcagagacaa 180

cagctctatc caatttgctt ttacaggaac cattaggcct aacccatgtg aactgcttac 240

ccacactacg aatatctttc acctccatga tagcaagcca atcattgaaa tctgacatga 300

tgctggactc tgaatntcca tgattgcttc ccattctctc tgaagggtgc ctaatacaat 360

taanatcgcc aataagacac cagcatatat cttgggaatg cagcttcctt ctactc 416

<210> 3537
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3537

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cgaacgcagt aaatcctaga ccacttagtt aagagataca aatcactacc acttatatca 180

atcattgttg gttgtataat ttttaagata attattataa aaattaataa gctaatatag 240

tacataaaaa ttggaattgg gataacattn taacaaggaa aaatattata tattcttaaa 300

tttgggaaat caagaaaaat atagaaagaa taataaaggg aaaataactt atttgatttt 360

ttgaagaana aaaaatatgg tatcatgatg aatntatggt gtttcccaaa tgcatttaag 420

aaattttaaa aatntata 438

<210> 3538
<211> 369
<212> DNA
<213> Glycine max

<400> 3538

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tggctgtcgg agataggata aatgattcca gtttgcaaaa gcttggttac cttctatctc 180

actacatcaa gaatcaccgg gttgtgtcta ctctgtgtct gccttactgg tttagcacca 240

tcctcaagat tcatctgatg catacatgtg gatgggctaa taccatgaat gtcacgcatg 300

gtctagccta tagacttctt atgcttcctg agaactgata acaacttatc ctcttgctca 360

tagcaaggg 369

<210> 3539
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3539

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tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt ggaaagcatg tatgaaaatg 180

atgaaacttt tggagaaatt tttaaaaatt gtgaaatttt ttcagaaaat ggtttcttta 240

gacatgaagg ctttctttcc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttat ttgtgaagca catg 324

<210> 3540
<211> 575
<212> DNA
<213> Glycine max

<400> 3540

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aaaaaaattt aaaaattatt tttttgcaca agaattatat tttttatata aattattgga 120

tgagtacttg ttgggaattg atatacacaa tccccaacag gagagataga aaaaaaaatt 180

cacatccatc ataaatcaag aaaaagaacg gttttgggag aaaaacgaag atgaacaaca 240

cagacaagaa gagagagttt aatctgtggg tggatgtgga gggaccttgc ccgccctatt 300

tttttatatt ggattaatat tggatatgtt attttaaaat tagaatattt ttatctttaa 360

caatatttca tgcacttata atttttattt tgaagagaat aatactttta gagtaatatt 420

agaattatct ttttatggtc ttcattgtga agataatttc tttatctatt tataatatat 480

gttactagta attttcactt ttcatgtttt tctttttata atcattattg atatttttaa 540

aactataatt aagtacatct ataattgaac aattt 575

<210> 3541
<211> 605
<212> DNA
<213> Glycine max

<400> 3541

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caagggtagt acgatttgtt gacttgtatt atacgtcaat gatattctgc ctgcgactaa 180

agataaagga tcgcctcgtg aggtgacact atgcctctca tataactttg atatgaagga 240

tatggctgac gcatcttatg tcataagcat aaagatccat agagaaagat ctcgaggcat 300

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gtgttcacca cgtgtagctc ccattgtgaa gggtgacaaa cttgctttga gtcaatgccc 420

caaaaatgat tttgagcggg aacatatgaa aaatattcca tatgcttcag cacttggcag 480

tcttatgtat gctcaggttt gcactagacc tgatattgca ttccctgttg gagtcttcgg 540

aagatatcaa cgtaatctat gtattgacca ctataaagct gcccagaaag tgatgagata 600

tcttc 605

<210> 3542
<211> 577
<212> DNA
<213> Glycine max

<400> 3542

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ctcttcccca tgtctaccac acagcttgcg gtggacataa aaggtcttcc aagaattagg 120

ggaatgtcag catcttcttc aatgtctatc actacataat caactggaaa gataaaatgt 180

ttgaccctaa ccaaaacgtc ttcgatcact ctgtagaagc aagcgtcatg atgatgaatc 240

aagttgattc aagttgtttt gatgatgact aagatgatga caaaaagccc aaagaatgat 300

ttcaagattc agttaacaag ttcaagatta agtttaattt caagtttcat gagaagaaat 360

caagaagatt caagaatcaa gagaagtttg atttcaagat tcaagagaag aagaattcaa 420

gattcaagag aagaaatcaa gaagacctca caagggaagt attgaaaata tttttcaaaa 480

aacaaacata gcacaatttt gtttttcaaa agaatttttc tcaaaatttt ctaagttacc 540

agaagtttta ctctctcgta atcgattacc aatttcc 577

<210> 3543
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3543

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tccatgctat atgtagcaaa gtcattgatc cagtcatgtt tgatgaagtg gaaaatgagg 180

ccgcaattat actatgccag ttggagatgt attttccccc tgctttcttt gacgtcatga 240

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ggatatacnc cggtgagcga tacatg 326

<210> 3544
<211> 581
<212> DNA
<213> Glycine max

<400> 3544

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taaaattaca aaactactcc taatacaaaa actagtctag gtgccctaaa atacaagggc 120

tgaaaaattc tacacttcta aggtaccata cctatattgt ggagccctaa atacaagacc 180

gaaaaataat gaaaccttaa tctaatatgt acaaagataa gcaggctcat acttaaccca 240

tgggcccgaa atctacccta aggctcatga gaaccctagg gccttctctt gcatctctgg 300

cccaattttt ttggagtctt ctatccaatg cccttgcaag gtaggattac atcattccct 360

ccccttgaa aaggatttga cctcaaatcc tgaggttctt gaaactctgg gctttttcc 420

tcaatacttt taaaacgaac aaaaacatat gtattagtgg tgtttggtat gttgaagtaa 480

ggtaaggtct taaaacccat ttcctgggca tctttccatg aaagaacatc gttcctcagt 540

aactcaatga gtggtgctaa aagtataaaa aaatatggga c 581

<210> 3545
<211> 632
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3545

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aagttgaata gttaagggta agaccactta acttttcact gaaataagca attggatggc 180

cttcttgcaa caacacagcc ccaatcccaa catttaaagc atcacactcg atttcaaaag 240

atttttgaaa gtttgcaacg caagtatggg ggcattagtt agcttttgct taagaatatt 300

gaaatcttct tcttgtttct ctccccattt gaaaccaaca tttttcttgg gcacttcatt 360

gagaggtgct gtcaatgtgc taaaatcatt cacaaatcgt ctataaaaac ttgctaagcc 420

atgaaaactc ctcacctcgg tcatggactt aggtgtaggt ctttcttgaa tagccctaac 480

cttctnctca tcaacttgca ctccttttga acttacaaca natccaagaa aacacacatg 540

gttagtacaa aagatgcatt tttcaagaat ggcatacaat tgttcttctt ctagcacaca 600

ccagataaat tntaaatgat caatatgaaa at 632

<210> 3546
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3546

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aaaactcctc acctcggtca cggacttagg tgtaggccat tcttgaatag ccctaacctt 180

ctcctcatca acttgcactc cttttgaact cacaacaaaa ccaagaaaca caacatggtt 240

agtacaaaag atgcattttt caagattggc atacaatggt tcttctctaa gcacagtcaa 300

gacagatttt aaatgatcaa tatgcaaatc aagtgaagtg ctatagataa gaatatcatc 360

aaagtacacc acaacgaacc tttctatgaa ctctctcaag atatgggtca ttagtctc 418

<210> 3547
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3547

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ttccatctac acaaccgcat ccacctccat cacccatcca tctgttaaac aagtggcctc 120

agttatctta agaaggggggg gttgaattaa gatacaaaaa ctatccccca tttaattttt 180

ttaacaattc aacccttatt atgaattact ctaagaacaa ttcaaaacaa acttctttaa 240

agcgaaatat aaacaataat aaataaaaga agtttaaggg aagagagaat gtaaactcag 300

tttttatact agttcccttа tgttcagata accttacaac t 341

<210> 3548
<211> 239
<212> DNA
<213> Glycine max

<400> 3548

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aaggtgatgg cactcacatt ttttggattc tgcacagctt gtgaaggcaa tttgttagaa 120

ttttgggact gaacttggtt caactgaata gccatttgcc caatctgatt tgtcagactc 180

taaatgaagg ctcttgtctc ttgctgaaat tgcatattct ggatggccat ttgcctcac 239

<210> 3549
<211> 361
<212> DNA
<213> Glycine max

<400> 3549

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ccctaactaa gttgactcgt aagaatgaga agtttgtttg gaatgagaag tgtgagcaaa 120

gtttccaaga gttgaagagg cggttgacga cagctccagt gttaattttg cccgacccta 180

agagaacatt tgaagtgtat tgcgatgcaa gcgggcaagg cttggggtgt gtgttgatgc 240

atgagggaag agtattggcg tatgcttcac gtcaattacg tcctcatgaa gtttactatc 300

cgactcatga cttggaacta gcagccgggg tctttgcctt aaagatttgg aggcattatt 360

t 361

<210> 3550
<211> 443
<212> DNA
<213> Glycine max

<400> 3550

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ctctctccag cagaaactcc acaaaataga actgctacca cttcaaagag ttactttggc 120

ctagctacta tacttgctct agcaattgga ggctgtgcct ttatctccct cctagttttg 180

atcatctttg tatgctgttt gaagaggacc aagagtgaaa gcagcggcat actgacagga 240

aaagcacctt gtgctggaaa ggctgagatt tcaaagggtt ttgggagtgg agtggaagag 300

gctgaaaaga acaagttgtt cttctttgaa ggttgctctt acaagtttga ccttgaagac 360

ttgttaaagg cttcagctga agttcttgga aaggggagct atggaacaac atataaagct 420

gctttggagg atggaacaac agt 443

<210> 3551
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3551

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atttttgctc acgaaaaaag gatacaataa aaaaattact atatacaaat ccatgctacc 180

tgttcattnt caccatcctt cttcgaaaga aataaatgcc aaaagcagac agaacatgat 240

acctcataca tggcttcgag ccttttgagc accagatcga ggaatagcca acacagctat 300

gagtccactg ataagggctg aaacagctgc cacagcaaag gctggtgagt ntccttcacc 360

aaatagctga tcccatggtc cacttcccag tgacactatt atctgttaan acatgataaa 420

catgtaactt ag 432

<210> 3552
<211> 708
<212> DNA
<213> Glycine max

<400> 3552

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taaaaataat tacggatgaa aataacgcaa caaataatca aacatcaaac ataattacta 180

ataatatata gatatatata tatcagggtg ttacaactct cccacccttt tagaaatttc 240

atcctcgaaa tttaccttac tcacacaagg atgggtgagc ttctcgcatc tgaatttcta 300

attcccacat ggcatcttct cctgatgcac ctccccatat caccttgacc aacgaaatct 360

ctttccctct tacgtgtttt gttcgccaat cctcgatcct caaaggcaat atttcatatg 420

tcaaattctc cttcacttgt acatcatcca attcaatcac atgggatgga tcacggatat 480

acttacggag ttgagacaca tgaaagacat tgtgaggatt agaaagagac ggcggtagtg 540

caattaggta tgccacaggg ccgactttct taagaatttg gaaaggacca ataaagcgag 600

gtgtgagttt tcgggatttc aatgctcgac caacccccag accatggagt gactctcaag 660

aatacatgat caccaacctc gaatccagat ctttcctctc tatcatga 708

<210> 3553
<211> 491
<212> DNA
<213> Glycine max

<400> 3553

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ctcgagacgc ttgaaattga ataccgaagc tttgagcaaa ttcaaacgac aataactttt 120

tactccgatg tgggattgag tcacgtcata tgtccagacg ctcgaaatag aatacccgag 180

ctctgagcaa attcaaacga caatacctat tgactcggat gtccgattga gtcacgtaat 240

atctcgagac gctcgaaatt gaataccgaa gctctgaccg aattcaaacg acaataactt 300

tttactcgga tgtgcgattg agtcccataa tatgactaga cactcgcgat ttgaaatacc 360

gaagctatga gcaaattcaa acgacaataa cttttatctt ggatggccga ttgagtcacg 420

ccatatgtca aagacctcga aaataaatac cgaagctttg agaaattcaa cgacaatact 480

tttactcgga t 491

<210> 3554
<211> 317
<212> DNA
<213> Glycine max

<400> 3554

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cttcgctcat aaataatggg aagagtatct ggggagtcta ttgttaccac attcatgacc 120

caaacatttc aattcttcga gctatagcat atttggaaac cacatacggg gaaagatgct 180

cagccaagcg ggacatatta gcaagtgaaa atctaattca gagtaacaaa tcgataagta 240

taacagtgac tttagctcac cctctattga tagatctcat atcaatgact tgccgtacat 300

tgccatttaa ttcccat 317

<210> 3555
<211> 261
<212> DNA
<213> Glycine max

<400> 3555

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cgtttcactc agaggtgcga ttcaggcgcc taatagatcg agacactcaa aattgaacaa 180

cgaaagctct cgagaaattc aaatggtcat aacttttcac ttggaggtcc aattcaagcg 240

cataatatat cgagacgctc a 261

<210> 3556
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3556

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caaattcccg tatgttggaa agtcattaat ggtacaaaat agcattgcat gcaacttgaa 180

tgtctcattt cgatacccat caaagacagt aaccctctag tcccaaacct ttgtcaagtc 240

tttaatcaag ggatgagata aacagcgatg ctatttccta gttttgttgg gctcgatatc 300

atcatagaca acatgatgta tctttacttc atg 333

<210> 3557
<211> 561
<212> DNA
<213> Glycine max

<400> 3557

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aacttgtgag atggcagaaa agtgcctaac aacaaactac tatggtgcaa aggaaacaac 120

tgaggcattt cttccccttc ttcaattatc caactcacct atgattgtca atgtttcctc 180

ccaagcaaga ttgttaaagg tacaatagtg gctaaacttt tcttttgaaa cttgaaatat 240

gattttacac taaagtctca acattggcaa atttgtgtta tgttgatgtt tcaagggata 300

gcaaacgaat tggttaaagg ggtgtttgat gatgctgaaa atcttacaga agagagaata 360

gatgaggtac tcaaagttta tcaaagactt aaaagaaggc tcacttgaaa acagaggttg 420

gccaaccttt ttgtctgctt atatggtctc aaaagcagcc atgaattcat acacaaggat 480

tctagccaag aagcaccaaa acctttgcat taattgtgtg tgtcctgggt ttgtgaaaac 540

agacataaac agaaacactg g 561

<210> 3558
<211> 609
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3558

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gcaatagact taaacatttg ggaagccata gaagttggac cttatgtacc caccatggtg 180

gctggaaata caacaataga gaaacctaga gaagagtggt ctaaagaaga aagaagaata 240

gtgcagtaca atttaaaggc taaaaacatc attacttctg cctaggaatg gatgaatatt 300

ttagggtgtc aaattgtaag agtgttaagg atatgtggga cactctacaa gctacacatg 360

agggaacaat tgaggtcaaa agatctagga taaatactct aactcatgag tgaattattt 420

aggatgaaca caaatgaaag tatacaagat atgcagaaaa gattcacaca tatagntaat 480

catcttgcat cattaggaag aacttttcaa aacgaggatc tcatatataa agtgttaaga 540

tgtttaagta gagaatgcaa cccaaagtaa cagccatcat agaatctaga gaattttcta 600

ttatgtctc 609

<210> 3559
<211> 359
<212> DNA
<213> Glycine max

<400> 3559

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tccgactatg ctcttgtttg gtggcataaa taccaaagag aaatgttgag agaggaacgg 300

cgagaggtat atacatggac tgagatgaaa agggtgatga gaataaagta tgtgcccac 359

<210> 3560
<211> 592
<212> DNA
<213> Glycine max

<400> 3560

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caggaatgtc cgccagggtc cagcctatag ccttcttatg cttcttgaga actgacaaca 180

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ggacagtggt agaaggagat ggtttctcag cctttacctc ataaagaaag tcagaggtat 360

gtgtacttcc tgaaacatgg ttagtcctat ctgactctat aaaatcaatc tcaagaggta 420

aaacaccacc accaggcatg caatcaatat cactctcaga ttcactctca gcatcaaatt 480

cagacatatg atcaagtaca atttcagact ccatgcatga tgagtgagag gcatgcatat 540

tttaataaag atcagccatg tattcctcaa caacatggtc aatttttca gc 592

<210> 3561
<211> 292
<212> DNA
<213> Glycine max

<400> 3561

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tcagaatttt gggactgagc ttggttcatt tgagtagcca tctgccccat ctgatttgtc 180

agactctgaa tggaggctct tgtctcttgc tgaaattgca tattctggat ggtcatttgc 240

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<210> 3562
<211> 385
<212> DNA
<213> Glycine max

<400> 3562

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cctcttaagt gcagatgccc aaatctttga tgccatattc tgacttcatc ttctttggag 180

aatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtccttt 240

gatctgctgc ccttcattag aacttcactc ttttcatttg tcaccaagca ttctgactgt 300

gtgaagtata cattaaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc 360

agtcccttca ccatcagtac tttgt 385

<210> 3563
<211> 560
<212> DNA
<213> Glycine max

<400> 3563

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tgcattacag ctacgcggct gtatccaaat tggttgagct gggcattcac catcgttctt 120

aacatatctg tgtcgttagc cttgtattct ctggtggcct tttaccattt gtttgctaaa 180

gaactggcac cacacaaacc tctagctaaa ttcttgtgca tcaaaggaat tgttttcttc 240

tactcttggt aggtaagctc atacagaaaa aaaaaaccta tttttacata tagatcaata 300

caaataattg gactagttga tggttctcaa ccatttttcc tttggtttta ttttttattt 360

tttttcatat tgcttttact tatttatttt ggtgtagcca acaagacaat aaactcaatg 420

taggaaattt caacctaaaa aagcagagag gatcataatg ctttgggggt tcatgccaag 480

gacatatgtc atgagaagac aaagcataat tttgaaatgg cacaggagag cataagatag 540

gtacgtccac acttgacagt 560

<210> 3564
<211> 343
<212> DNA
<213> Glycine max

<400> 3564

cttaactcgg aggtccgatt caagcgcata atatatcgag acgcttttta ttatccaacg 60

gaagctctcg agaaattcaa atggccataa cttttaactc ggaaggcgga ttcaggcgcg 120

taatatatcg agacgctcga aattgaacaa cggaagctct cgagaaaatc aaatggtcat 180

aacttttcac acagaggtct gattcacgcg cataatatat cgagacccct ctaatttaac 240

aacggaagct ctcgagaaat accaaaggtc ataactgttc actgggatgt ccgagtcagg 300

cgcataatat attgagacgc ttcaaataga acaacggaag ctc 343

<210> 3565
<211> 582
<212> DNA
<213> Glycine max

<400> 3565

tcgaatgcac tattcaatgg agaagacaag aacatcttca gactgattaa cacttgcaca 60

gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctt caaagtaaag 120

atgtccacat tgcaactcct ggctacaaaa atcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240

gagaggataa cagatgaaaa gctggtgaga aagatcctca catccttgcc taagagattt 300

gacatgaaag tcactgcact agaggaggcc caagacattt gcaacatgag agttgatgaa 360

ctcattggtt ctcttcaaac ctttgagcta cgactctcgg atagggctga aaagaagagc 420

aagaatctaa ctctcgtgtc caatgatgaa ggagaagaag atgagtatga cctggatact 480

gatgaatgtc tgaccaatgc agttgtgctc cttgaaagca gttcaacaaa gtgctcaaca 540

gaatggacaa gaagcagaaa ccacatgtcc agaacatccc tt 582

<210> 3566
<211> 607
<212> DNA
<213> Glycine max

<400> 3566

ttgacattat gatacatggt gcctcctcat tgttgaatgg agcagcttca aaattgataa 60

tggacaagaa agttctcaga aattttactc taccaacaac atcagggttg tccaagaatg 120

aagaattgaa tttggcaaat gacaaatgac gagtcttagt attgatcttt gtttctttcc 180

caagttcttc tgatctaaaa taaaaatctc caccgagtga cgttgctaga tcatgcatga 240

ggtcatgcat cacaaaccat ttccgatcag accaactact tctatttgta cttgaacgtt 300

ggaaaaatga tctcgaaacc aaatcatcaa aatactcatg accaacctct tctaaagtcc 360

taccatttct tggtttcttc aaaagatctt cggccatcca caacaagatt aattcatttt 420

tttcaaactc gtaatcttgt ggatacaacg aacaataaac aaagcacccg tttaaatgtg 480

gagggagatc atgataacta agtctcagtg ctggaataac tttacactca ctttcagaaa 540

gttcccacat gtcactattc agaatattat tccaatcccc aatgtcatgc tttcttctca 600

acatgcc 607

<210> 3567
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3567

gatgcttaag ttggtgataa cagggttcaa accaacatca caatatgtgt gaacttactt 60

gggcaatctc aaatccacgt ccttcgccaa gtatgatgtt ttttgcgggc acacaaacat 120

tttcaaatgt tacttctgca tgcccatgcg gtgcattatc aaagccaaac actggcaatg 180

gtctctttat gtgaacgcca ggagtctgga catccactaa gatcatagaa tgcttgttat 240

gcttcactgc attgaagtca gttttcccct gtccatatng ttttatcagt ctctggtctc 300

tattgacatg aacggcacat ggactgctaa tgcaataact ttcaaccaat actcaccatg 360

actatcagaa ttctacattt tggat 385

<210> 3568
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3568

tactcttgct tgcaaaggcc cgtccttgat atttgttttc aaaaacgatg gaagttcttt 60

atggttaagc taatgcttgg agaaaaataa gatcttcgta agacccaaat agtgtgggct 120

gttggtgatt tttagtactc agcttactat ccagaaaacc taaaaggttc ttcttataaa 180

taatataaaa aaaagtctag gaccatcata ttttatatat tttttaaatg aaataacttt 240

ctgtgtccac ttgangagtg tcatctatcc atctaaatca atatttcctt ttgcttgctc 300

ttataatagc gttatgtcta attgtaactt atgatatagt ataatataat ttaactagga 360

tgctctgtcc cctttccctt gctctattat gtttatcttt atcttattat tcggtatttt 420

tgcctttatt tcttgcttgt tttattctta cctctttatt attagattcc actcagtact 480

tctttgatat taattaaatt taaatttcta ccataaatat tatgtatagt ttacattttc 540

gatttttttc caa 553

<210> 3569
<211> 307
<212> DNA
<213> Glycine max

<400> 3569

tgacaatcct gagagtcact ccatcgccag ttttcatcag cccaaatgcc accgcaagct 60

tctcactgtg gtacctgagg gcatactccc tttcttcccc ttccaactcg tgcatcgcgg 120

actctggcac gggtgcatag cctgcatcct tgcaccttca tatcaactca tccaagaaac 180

aataaatctc attagtctca cggtgagact tgtcacccat gctaaacaga taacttctat 240

tgtcaacatc tatggtgcta taacccactt gcttctaatg cctctttgga tatcacattc 300

taccgat 307

<210> 3570
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3570

tcacctgcgg catgcaagct ntctccacta agttgcctga tgccaganat gtcttttcta 60

atggcagtgg tcctagatgc agggaagaat ttctccaaga acaccctctt aaggtcatcc 120

catctaaaaa tggacctgng agcaaggtag tatagccaat cttttgccac tccctccaga 180

gaatgaggaa aagactttag aaagatatga tcttcctgga catcaggggg cttcatggtg 240

gaacaaacaa tatgaaactc cttgtgatgc ttaagaagat cttcacctgc aagaccatga 300

aacttgngca gcaaatgtat taatccagtc ttgagaacat atggaacacc ctcattacga 360

tattgaatgc acaagctttc ataagt 386

<210> 3571
<211> 619
<212> DNA
<213> Glycine max

<400> 3571

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cctgaactca gtagcatcaa ccagttcctc tttaggatcc ttctccaact taagccctgg 120

ttcaattggt gttacagagg gattgcaatt cagcatacca agtttcttta agacctcctg 180

tgcatatctg ctttggtgca tgagcactca cttctgtact tggttaaatt ctaatccaag 240

gaaatgtgat aatttcccta gatcagtcat cccaaactca gccatcatga actgcttgaa 300

aatatgaatc tccttttcac tgctgccagt cacaagcaga tcatctacat atagacagac 360

cagcagtaaa ttggttgaac aattggccct tatatacacc acatgctcac tcttgcattt 420

actaaagttt tgtttggcta agactccatc aatcctcatg ttccaggccc ttggtggctg 480

ttttaaacca tacagggctt ttctgatcca gtacaccttg tcttcatgct ttttcttctc 540

aaagcctggt cactgtaata tgtatacctc ctcttctaga taaccattca agaaagctga 600

cttaacatcc atatggtac 619

<210> 3572
<211> 495
<212> DNA
<213> Glycine max

<400> 3572

tagatccaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgcaacat 60

atcgagacgc tcgaaattga atgttgaaac tctgagctag ttcaaacgac aataactttt 120

tactcggatg tctgattgag tcccatcata tatcgagacg ctcgaaattg aatgttgaag 180

ctctgagcca attcaaacaa caataacttt ttactccgat gtctgattga gtcccgtaat 240

atatcgagac gctcgaaatt gaatgttgaa tctctgagcc aattcaaacg acaataactt 300

tttactcgga tgtctgattg agtcccgtaa catatcgaga cgctcgaaat tgaatgttga 360

agctctgagc caattcatac gacaataact ttctactcgg atgtgtgatt gagccccgca 420

atataacgag accgctcgaa attgaatgtg gaagctctga gcaatatcaa acgacaatta 480

acctttttact cggat 495

<210> 3573
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3573

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ctggactcaa tcagacatcc aagtaaaaag ttatcatcgt ttgatatggc tcaaagcttc 120

aacattcaat ntcgaacgac tcgatatatg atgggactca atcagacatc cgagtaaaaa 180

gttattgtcc ttcgaaatgg ctcagagatt ccacattcaa tttcgagcgt ctcaatatat 240

tacgggactc aatcagacat ccgagaaaaa agttatttttt cgtttgattt gctcaaaggt 300

tcaacattca atatcgagcg gtttgatata ttacgggact ctatc 345

<210> 3574
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3574

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gactgttttt ctcccatgat taagttgtat gtaacttgtg ttttcttcac agatggggca 120

tgcatgatga cccttaacac tgcaaccgct gagattccca tatgctggaa agtcattaat 180

ggtacaaaag agcattgcac acatttcaaa ggtctccttg cgaaacgcat gatacactac 240

aacccccctcg tcccacaact ttctcagatc ttcaaccaac ggacttagat aaacatcaat 300

gtcatttcct ggttgtcttg ggcccgatat catcatagac aatatcatgt a 351

<210> 3575
<211> 585
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3575

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tatgaccttt caagcaatag atacaatcta ggttggagga atcatccaaa tttgagatgg 120

acaagtcctc cacaacaaca aaagtttgtc cctccttttc ataatgctgc tggtcgaagc 180

aagccatatg ttcctccttc aatgcagcaa caacagcaac agccacaaca aagacaacaa 240

gcaactgagg ctcctcctta accttcctta gaagaattag tgaagcaaat gaccatcaag 300

aatatgcaat ttcagcaaga gacaagagcc tccattcaaa gtctgacaaa tcaaatgggg 360

gagatggcta cacaaatgaa tcaagctcag tcccaaaatt ctgacaaatt gccttcacaa 420

attgtgcaaa atccganaaa tgtgagtgcc atcaccttga ggtttggcaa ccaaattcaa 480

gtgcctccac cagtagcagc acctgcacct gaacctgtaa agcttcattc ttcactagaa 540

aaagaggatg agatagttgg tgtcataccc taatttcgtc tgggg 585

<210> 3576
<211> 535
<212> DNA
<213> Glycine max

<400> 3576

tctgctgcaa catttataat agacctcctc aacaacaaaa ccaactacaa cagtataatt 60

atgacctttc aagccaaaga tacaatctaa gttggaggaa tcatccaaat ctgagatgga 120

caagttctcc acaacaacaa cagcctgtcc ctcctttcca gaatgttgtt ggttcaagca 180

agccatatgt tcctcctcca atgcagcaac agcaataaca gtcacaacaa agataacaag 240

caactgaggt tcctcctcaa ccttccttag aagagttagt gaggcaaatg accatccaga 300

atatgcaatt tcagcaaaag acaatagcct ccattcagag tttgaaaaat cagatggggc 360

agatggctac tcaattgaac caagctcagt cccaaaattt tgacaaattg ccttcacaaa 420

ctgtgcagaa tctgaaaaat gtgagtgcca tcaccttgag gtctagcaac caaatttaaa 480

gtgcctccac cagtagcagc acctgcacct gaacctgtca agctttattc tacac 535

<210> 3577
<211> 524
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3577

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gaacgatact cgccccctat cagaatattc aaaagtttga agcagcttgg tattattata 120

tcttacatga gtcgaggtcc tatataaaag ctaatttggt gacgagctca cctgctcagg 180

aaatgcactc aaaccataat cggaaatctt tatatttcct agtgaatcac agaaaagatt 240

ttcaggctgc tcaaggcagg acgaaaaaaa gaaaatttta agaaatcaca gtaaggacaa 300

caaacaactt ctcagatctc actcaatgca aacctttaaa tctcagtgat aaactccctt 360

actgtggcaa gaatctacac cggcaataag ctgttggaaa tatcttctag agtcagcttc 420

actaacgcgg ccatggagta tcctgacaat catattattc accatcaaac attttccata 480

acttgcattg tgattgataa aaggcacagt aaaagcttca aaaa 524

<210> 3578

<211> 317
<212> DNA
<213> Glycine max

<400> 3578

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gcctgactga tctataggct tcttccatca ttattctgtg catgcaattg gtagggctaa 120

ctcctttaaa atcatatatg tgtcacccaa tcgcttccct gtgtctcttg aggacttcta 180

ccaacctgtt cttttcttct actgctagtt cactgctgat caccataggc gtgtgctcct 240

cctacaagaa cacatacttt tgatggttgg gtaggtaaga tcttcagctc taccttggtc 300

ttctcggatg tactcct 317

<210> 3579
<211> 536
<212> DNA
<213> Glycine max

<400> 3579

tgttacaaat atcgtcaaca cgaaaaccct taagggattc tgtgagcatg tctactagtt 60

gatcttcgaa gttgataaac ttaatgatga tatctcttaa aggtaccttc tcttgcacaa 120

agtggcaatc aatctttatg tgtttagtca tctaatgaaa gacatggttt gaagtaatgt 180

ggagagcaac ttcattgtca cataatattt tggtatgttg aacgtctcca aattttatta 240

gttagagaag tttcctaagc catgtgatct cgcatgtagc tacttccatg gcatgatact 300

caactttggc actggatcta gcaatggttt tttgcttctt tcttctccat gagatcaagt 360

tccctctaat aaggacacaa tatctagaag tggagctcct gtctgatggt gatcttgccc 420

aatcaacatc agagtagcaa acaactttga cctttccttt ctcttcatat agaaatccat 480

gacccaatgc attcttgatc ttgaagtatg cacattgtag caataaaatg actatc 536

<210> 3580
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3580

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aaccaattgg ttttatatcc tttgaagctt caactaaagt ccataatttg ttgatcttca 120

tttattccat ttcagattcc atagcttctt gcaatttctt acaatctaag ctttgcatgg 180

tctcttcata gcttcttgga tcatcatcat catgataaaa ctcatttgat gtgtcatcta 240

ggaccatcaa gtttaatcta tcaggtgcat gatgcactca agtagatctt ttagaagcct 300

catacattgg gtttataggt tggtaaattg attctaagat tggttcatta acctaatctt 360

gaactataac t 371

<210> 3581
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3581

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atntctcgag agctttcgtt gttcaatttc atgcttctca atatattatg cgcccgaatc 120

ggacttccgt ttgaaaagta ttgactcatt gaattcttcg agagcttccg gtttcaatat 180

cgagcgtctc gttatattat gcgcctgaat tcgaagtttg tgtgaaaagt tatgacaatt 240

tgaatttctt gacagctttc ggtgttcaat ggtgagtttc tcatatacta tccgccgga 299

<210> 3582
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3582

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atatatcgag aagcttgaaa ttgaacaaca gaagctctcg agaaattcaa atggtcataa 120

cttatcacac cgaagtccga ttcaggcgca taatataccg agaacgctcg aaatgaacaa 180

cggaagctct cgagaaattc aatggtcata actgatcaca cgaaagtccg attccggcag 240

atagtatacc gagactcttg aaattgaaca acggaagctc tcgagaaatt ctaatggtca 300

taacttttca catggaactc cgattcaggc gcataatata tcgagacttt tgaaatataa 360

caacggaagc tctcgagaaa ttcanatggt cataaaa 397

<210> 3583
<211> 369
<212> DNA
<213> Glycine max

<400> 3583

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cacaagggtt tgtggtttgt gctcctctgc tgaccaccat acagaacttt gcccttccat 120

gcagcaacct ggagcaattg agcaacctga agcttatgct gcaaacattt acaatagacc 180

tcctcaacct cagcagcaaa atcaaccaca acagaacaat tatgacctct ccagcaacag 240

atacaaccct ggatggagga atcaccctaa tctcagatgg tctagccctc aacaacaaca 300

acaacagcct gctccttctt acaaatgctg ctgcccaagc aaacatacat tcttcacaat 360

caacaacac 369

<210> 3584
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3584

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aagtgtatnt atctaattgt ccatgttgat gacatagtta ttacagggaa tgatgttgct 120

acaatttgtc tgctgaaaaa gcacttattc atccactttc ataccaaaga ccttgggtgt 180

gtaaaatact ttcttggtat tgaggtgact caatcaaacg aaagcatttg ntatttctca 240

aagaaagtat gctttggata ggtttttttc cagcaataca ctccatctcc cctatttgct 300

caaaatacac ctctttgtat actaataccc aaaatacaac tttttctcac ctttgagaag 360

ttgagactgg ccaccccgac ttctgtacga cgcgctnttt tttaatttaa ttnttatttt 420

atttttaaat gtatgtttc 439

<210> 3585
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3585

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gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatagt 120

gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180

aatgatccgg aggcctacgt tgagtgggag atgaaaatag agcatgtttt ctcatgcaac 240

aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300

gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca 360

tggacggaga tgaaaaagat catg 384

<210> 3586
<211> 306
<212> DNA
<213> Glycine max

<400> 3586

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agttatgtcc ccgaatcgga catctgtgtg aaaagttatg accattcgat tttctcgaga 120

gcttccggtg ttcaatttcg agcgtctcga tttattatga ccccgaatcg gacatctgtg 180

tgaaaactta tgaccatccg aatttgtcga gagctttctg tgatcaattt cgagcgtcta 240

gatgagttat gttcgcgaat cggacattcg agtgaatact tatgaccatt cgaatttctc 300

gagagc 306

<210> 3587
<211> 423
<212> DNA
<213> Glycine max

<400> 3587

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caattgactg cagttgagaa aagaagttgc ttccctacac cagccttcag atttacccag 120

acacccgaat tggctcttat tgtagtttat ctttagacca gaaaccaatt caaaacattt 180

catgatacac tctaaaactc taacattatc attagtggca gccccaaaga acaaggtgtc 240

atctgcatat tgaagtatat taacttcctc tttcttcttt cccacttgat agctgctgaa 300

gagattgttt gttactgctg atctcatcaa cccggtaagg ccttccacta ctatattgaa 360

tagcaaaggt gcaaggggat caccttgcct taagtctctt aaggacaaat tcctgagaag 420

tac 423

<210> 3588
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3588

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agtttgcgta ttcaactcaa accaagctca agcctactaa agctngactn gactcgactt 120

ctttctaccc ttactgtgga gtataaattt actataagga aatcgcgctt cagagcataa 180

ttttgttctt agaaaaatgt tatactaaaa tttatatgca cgtacgaatt tagttttaat 240

aattttatat taaaagtaaa atattatgtc atgagtttac atgttttatt ttatttaaaa 300

atac 304

<210> 3589
<211> 403
<212> DNA
<213> Glycine max

<400> 3589

gcacaaatgg ccaattatgt gcttctaacc aatgaccaat tcttgtcaaa ccgaaccatt 60

ccccaatccg tgtcagttct aaaccatgaa caatacagcc ttgccttcat gcccatttca 120

cctctttgga gggaactcag aaaaatatgc aacactcagt tatttgccca caagtctctt 180

gatgctagcc aagatgttag gcgtaagata gtgcagcaac tagtctccga tatccatcaa 240

agcagccaga taggtgaagc agtggatatt ggaacagcag cattcaagac taccataaat 300

cttttatcaa acactatctt ctctatggat ttgattcact ctacacgtaa agcagaagag 360

ttcaaggact tggtgaccaa tatcacaaag ctggttggaa cac 403

<210> 3590
<211> 456
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3590

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gatacggngg agacaattta tgacaatagc acaaactcgc agagatgaaa tattcaaaaa 120

taataatatt caagcttaaa ttgctggaat cagtaaaggt ccacttcact tgtccaaagg 180

tccacttcaa aaataataat acaggaagat gtatgacacc tgtcttanag cacgagtcat 240

ggccaaaatg gctcctctcc catcactagg aggttgagta atatgatatg catcacctag 300

tcaaaatcca catgaaataa gtcaaccaaa tataaactaa ggctagaaga aaatcctaca 360

tatcttgcaa ttagacaaac tacctgacat cccatagcca cggacctctg catagatntt 420

ggctcctcgg ttttttgcat gctcaaattc ctaaaa 456

<210> 3591
<211> 439
<212> DNA
<213> Glycine max

<400> 3591

tgccaagagt gtggccttca gttgaaccat atactcagag tgaggagctg agaggatgag 60

gtattgacca gggggatgat tgtctctgcg agagagagaa tcagttacta tattcgagga 120

acccacttta tactgaattt cgtagtcgta tccaagcaac ttggctaggt aaaattgctg 180

ttccgacgtc tgaactacct gagacatgag ctcacgaagg ctccgatgat ctgtgaagat 240

ggtgaattta tggcccagta gatattgccg ccacttgcgg acggcggcaa cgatggcatg 300

caattcgcga acgtaagctg aagcgtgttg gaggcgttga caaaatgatt tgctgaaata 360

agctatgggg tggccgtgtt gctgaaggac cgcgcccatg gccgtgcttg atgcgtctgt 420

ttcaagtatg aaagggatc 439

<210> 3592
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3592

aagctctcta aacttttttgc aagaaanatg tactaanaag taatataata ttttttttat 60

tgatttttat gtatgaaatt aatttcatta gttatcatta acagacaaat tcaaggttgt 120

aataattaaa atcaacgcaa tgtgataaaa tttggaggat gaactagagt atatttaaag 180

aatttattta taataactta tttacatctt aattgaactt attttatgag attaatactt 240

gtgtaactat ttaagaaaac ttaaaaaagt aattataata tgtttataag tcattttcag 300

cttatatatt tcaaaaaact atttaaaata acttatatga aaataattta atcatgcata 360

ttttctcttc aattataaaa acatttcata tantaaattt tacatgataa atacttattc 420

aacaaatatt taattgagtt atttatccta gcataccttt aatt 464

<210> 3593
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3593

agcttctcaa gaaagcttcc atgatttgag tctttgatgc aatccttctt gtgaagggac 60

gagtcaccat agccatgagc atgatgctcc aagaggattg ggctagagtt gctgaagaac 120

gccctangat tctcatgaac ctcaaggtag atctctaagc ccatgggcca aggttgggtc 180

cacttgtctt tgtaaatatt agaataggtt nttcttcttt tgggccttat attctggcca 240

ttctagttgt atagggtttt agccttgtat atcatggcat tttgagtagt ctttgtagta 300

cggacttttt tctattttca tgtnatttgg catgggggtg 340

<210> 3594
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3594

acgtccaagt ttcttgtgcc atacccagtg acttcctttg atggataata gacatgttac 60

attttgattt gatagttcac taagattaat cttataaaga ttatctttcc ttttagcagc 120

aaaaagttgg gtaccatttt tgtgttagac aacacaccca tcttcgctag aggaaaaatc 180

aagtccacta tcacataatt gacttatgct aagtagatcc tatttaagcc ctttaacaaa 240

cagtacatta tcaatggaag gatagggatt agtacttatc tttcctatcc ctactatctt 300

ccccttctga tttcctctga aagtgactat tccaccatgc atgggagtca agcattggaa 360

catacactnt tatcttatta tgtggcatga gcaacctcta tccaggtacc atgattggtg 420

ttttc 425

<210> 3595
<211> 427
<212> DNA
<213> Glycine max

<400> 3595

cgaagcctca gtatttaaag ccagaccatg taagtttcat tggtgtttta actgcttgca 60

aatatatagg agcagtatga aaagcaaggg actatttttc tctgatgatg aataactatg 120

agattgagcc atccataaaa cactacactt gcatggttga agtgctacgt ctagctgcgc 180

tactataaga agcagaacaa ctaataaagg gtatgcctct aaaggctgat tttattatat 240

gggggtcttt gctttcatct tgtaagaagc atgggaatgt agaaattgcg aaacgagctg 300

cacaaagagt ctgtgagtta aatccaagtg atgccagcgg ttatttactt atgtctaatg 360

ttcaggctgc atccaaccaa tttgaagagg caatggagca aagaattctg atgagagaaa 420

gattggc 427

<210> 3596
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3596

tctggtggga catcttgact tgctatccaa tctgacattc accacttatt ctgccttctt 60

ctattntcag agtgtgaatg cctctaacag caccttagtc aatgattatc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcatcttct ttggaggatg 180

gacatgtgga ggagtagctt gtttcttgag gtgtccatag gtaacagttg gcctttgatc 240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactntgtga 300

agtttacatt gaatccttca tcacacagct gactgatgct gatcaagatt gcagtcagtc 360

ccttcaccag cagtactttg tccagactan gaagtccatc atgaactagc cttcccattc 420

caatgatc 428

<210> 3597
<211> 372
<212> DNA
<213> Glycine max

<400> 3597

gtggtgaagc tccttcttac ttgttttatt ccctagtgga tggcgcctcc cctcttctct 60

tctcctttgc cttctgctgc atctccatgg tgaataatca ccattgaagg acctcattgg 120

agctcaaaga tccagccttc atagaatctt cacaagcaag cttccatcag ctgtcttact 180

ggtatatcct caccctctaa atttatccga tgcatacatg tggatgggct aataccacca 240

atgtccacca gggtccaacc tatagccttc ttatgcttct tgagaactga taacaacttc 300

tcctcttgct catcaacaag ggaggcagat ataattactg gaaaactttt gtatcatcca 360

agaagcatat tt 372

<210> 3598
<211> 366
<212> DNA
<213> Glycine max

<400> 3598

agatttcctg catgtctgtc tgtgtttaga attcgtacat ccaacatccc tatcctatga 60

acagcagcaa cagataaact ataagttcca tgatcacttg catcaaaatc atgaggaatg 120

aactgctgca gtgatgcaat cttgcttatt tgctgtgtgt tatgatgcat actaccattg 180

accctgtcat taatattaaa aatagaatgt gtgaccttta caagggcagt agagggcaca 240

ttggctaaat gatcatggtc aagaaggtaa gctgcaactt ctcttatacc tgtctcccca 300

accctcactg aacgtttcaa tcctggttgt ccaagggctt tgccaacaaa acctttagga 360

ttgttt 366

<210> 3599
<211> 341
<212> DNA
<213> Glycine max

<400> 3599

ggatcctcat agacgtctga aaccccatca atccttgttc ttggaaaacg tctatcctgc 60

cgactgtgat gactttgaca agttggaaaa tccaaactga cctcatagac tcctaatata 120

agatttgatc tagcatattt catggatggc attttacgcc aagattttgt caagggacta 180

aatgcaagca ccccttttgtg tgtattgaat gagctcctat ccactttccc aaagttagtc 240

aagctagaac atcctccaac aatgaagata tcattctgta taccagcaac agagaacatg 300

aacctttctc tgagaaatga tcatctttct gtccattgat c 341

<210> 3600
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3600

acatcttgac ttgctntcag agctaacatt caccacatat tctgccttct tctattttca 60

gattgggaat gcctctaaca gcacctttgt caatgagttt cttcatgcct cttaagtgca 120

gatgtccaaa tctttgatgc catattctga cttcatcttc tttgaaggat agacatgtgg 180

aggagtaact ggtttcttga ggtgttcata cgtaacagat gtcctttgat ctgctgccct 240

tcattagaac ttcactcttc tcatttgtca ccaaacattc tgactttgcg aaagttacat 300

tgaatccttc atcacacaac tgactgatgc tgatc 335

<210> 3601
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3601

ctacttgtag acatagactt gcttgaaagc tttcttcact tctccttaag aaaccttaca 60

aaggcaaaag ctgctctcac agctgcaaga acagctgcaa atgctattta tgttcctcca 120

gctcaacaag gtgccataga tctacagagt gggattcttc acgcagagga gaaggattac 180

aaaactgcat atagttattt ctttgaagct ttgagtcttt aatgctcttg atgaccccaa 240

ggctgtattt agcctgaaat acatgtngnt atgcaagatt atggtgagtc aagctgatga 300

tgtggctgga aacatatctt ct 322

<210> 3602
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3602

tgttgatatc gagtgtacat tgtttttctt ccatgtttca tttgtacgta gcttgtcttc 60

ttcacagagg gcatggacga tggcccttaa taccatatcc actcaaattc tcatatgtta 120

gaaagtcatt aatggtacaa aataccattg catgtaactt gaatgtctca ttctgattct 180

catcaaacac gttaaccctt ttattccana acttccttaa gtcttcaatc aagggactta 240

aataaacatc aatgtaattn tctaactgtc ttggccctga tatcatcata gagaacatca 300

tgt 303

<210> 3603
<211> 311
<212> DNA
<213> Glycine max

<400> 3603

ttgtttcttg caattccaag acactagaga gctttctaat aggtggcatg tctaacttgt 60

gctttttcta tctaatttgc aacctgcaaa attagaatat gaaaagcctg ttagatttaa 120

ggaagtatcc ttgggatacc ttaaacctac attggttgtg tccttaaggt acttaatgat 180

ctttttgata gatgttaagt gagattcctt atgattggtc tggaccttgc acataagtaa 240

acactccact tgtttaagta gaaaagtgat ccaatcatac ctctatatct tgactcatcc 300

actggatttt c 311

<210> 3604
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3604

aacataagca cttacacttt gaatgaaagc tggagttgct gcacatgatg tccaacgtta 60

tgtcaaagaa taagatcggg ctgcacaatg cacaaggcaa gataaagtgt caaatgaaga 120

attgaagctg taggattcac gatgtcggat acaatgtcca ggacatcctg cctgaaaata 180

ctggaattgc taaaagcatt gaagctgcag gatccacgat gtcggataca atgtccagga 240

catcctgccc ganaatactg cagttgctaa aagcattgaa gttgcaggat ccacgatgtc 300

ggatacgatg tccaggacat cttgcccgaa aatactggac atataaatct gttatatctn 360

taacagatta ttgtgcagtt agcaagagat tagatgatct atcttta 407

<210> 3605
<211> 272
<212> DNA
<213> Glycine max

<400> 3605

ggcgagtcta cattgattat acgaagctga accatgtgac caaaaaggat cattttcccc 60

tgccattcat cgaacaaatg cttgagcgct tggcaggtaa atctcattac ttttttcttg 120

atggcttttc tggctattta caaaatcata ttgcttctga cgaataaaaa aagaccacat 180

tcacctggcc ctttcgcact tttgcgtata gaagaatccc ttatgtctat gcaacgcctc 240

ctgtactttc cagcggtgta tgccttacat tt 272

<210> 3606
<211> 442
<212> DNA
<213> Glycine max

<400> 3606

ctgagctaca gatatgctgg aagcagggaa taatataccc gaacctgttg ctgctttcaa 60

gtatctgaga atcctataag ctgcttgttg atgagctgaa gaaggatgag ctacaaattg 120

acttaaatgt tgcaccgcat atgtgatatc aggccttgtg tttatgaggt aaatgacgcg 180

accaatgagc ctacagtacg atgaagttgc tgtatcatca agtggagttc cagattgttg 240

gtgtagtctt acagcatagt caatgggagt tgagacaggt ttgcttccta acatgcctgc 300

attacgcaag atatcaagaa catattttct ttgaaaaata ttgatccctt gtttacttca 360

agtccaagaa aaaaatgtta aagtaccaag atctttgatt ttaacaactt gatccagaag 420

ctgagttatg gacttaattt ct 442

<210> 3607
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3607

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agtccaagag aatgagttca agattgaatc aagaacactt caagaataaa gaggaaattt 120

gatttcaaga atcaagtttc aagatttaag tttcaagaat caagaataat caagttgaag 180

attcaagaat caagataagt actaaaaagt ttttcaaaac attgagtagc acatgaattt 240

ttcacaaaac cttttaccaa agagttttta ctctctagta atcgattacc agtttattgt 300

aatcgattac cagtagcaaa gtttgttttc aaaaagcttt caactgaatt tacaacattc 360

caattgattt caaaatggtg taatcgatta caatgattta gtaatcgatt actagt 416

<210> 3608
<211> 404
<212> DNA
<213> Glycine max

<400> 3608

aaagttaatt atttctcttt attattcaat caaaattata tcattagtaa atcaaccaag 60

tgggtgaaca taaatgatta gtgtactgga tttaagattg aattaatcga gtaatatccg 120

agtttaaccc tcagcgaaaa taattactag atatttaagt ccaaaataat atcattagca 180

aaaacacaca attagaattt ttttaagata tttagtaagc acatcttata cttgatcaaa 240

caagtaataa cttaaggcta agcattggaa gtaacactaa ataaaattaa attggatgtg 300

tcttaagaat attaattaat tcttaaaaat cacattaaaa aaaaaaaaga aagacattca 360

taatatattt ttaatagaaa cttaactttt attcccttcc ctcc 404

<210> 3609
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3609

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accagtggta ctcataataa aaaaaaggta tggagaataa agaaacttat aacacacaca 120

aatataatat ttgtagtgtc tgttgacacc tccacacttt ggggagtcta gattgatgta 180

attttctgtt tgatattgaa tctataatct ataatatttg attatcatta atgaaggata 240

tnttttgcaa gtgtcaagtt antactattc attgtataat acatttatac actgttgtct 300

tcttttatat tcatttctta tacacattct tctttaacat aattattaac attattattt 360

tagaaatcct ataaaacata ttttttagat aaagctattt ataataattt aaataatctc 420

cattcataat aattatttt 439

<210> 3610
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3610

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aggctaccaa tcaagatatt ttttcttcac tgaaccatga acacttattt aggatttgat 120

ttacatgtta aacagttgct acttcttatt tattccttca atttctgagt gtatttttat 180

attaagaata tacactgatt taggagcacc aaattgttgt attattgtat ttctatacac 240

tggttattga ttttatttgt tgtggntaat gatttttatt ttattaacaa atatcagcaa 300

taatatttta gttttttaaa tgcctatcat ttaaaaactt ataggtattt taatatttnt 360

ttatattcag taaactctta cgagcttgcg agttaagttt gcggagtctc tacgag 416

<210> 3611
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3611

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gtcatcattn ttttttctcc gtcattgagg tgccacttga gctgccaggt ctctccacct 120

ttgggcatat ccttttgaaa gatttgtgcc ccctttntgc acatgttctg tagttgcatc 180

ctatctgaag acattatact gacactgcct aacgaaggta accactaggt ccttccaaga 240

atggactcgg gaaggttcca agttagtgta ccaggtaaca actaccccag taagactttc 300

ttggaaggaa tgtatcagca attcctcatc ttttgcatat gcccccatct tccgacaata 360

catctttaga ttgttcttgg ggcaagtagt ccccttgtac ttgtcaaagt c 411

<210> 3612
<211> 442
<212> DNA
<213> Glycine max

<400> 3612

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tttggagcat ctataacttg ttcaactata ttttgtgcaa catttcggtt gataagctgc 120

atcaaatctc tctttttcct ctgtattctt tcagcacgaa agtatttttt ggttttcaat 180

tgcttggcaa ctgtagtttg tatctctcct ttgacaatct tcttccgtat cgcatccaga 240

gaagcccccc tctcaagctc ttctaacaat tcttttcttg cttcctcaaa ttccatctaa 300

ttcaattaag cagtgagtgc caaaaagtat tgttagagaa aatgaaatat gatcgacaat 360

ctaagtaatt aatatttaat actcagcaga aaaaagaaga aatcagaaca gatgttataa 420

agttacaagt tggtgttccc ga 442

<210> 3613
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3613

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atggagaggc aatagactta aacatttggg aagccataga agtaggactn tatgtaccca 120

ccatggtggc ttgaaatgca acaatagaaa aacctagaga agaatggact gaagatgaaa 180

gaagattagt gcggtacaat ttataggcta aaaacatcat tacttctgcc ctacgaatgg 240

ataaatattt tagggtttca aattgtagga gtgctaagga tatgtgggac actctacaag 300

ttacacatga aggcacaact gatgttaaac gatctaggat aaatacttta acttatgagt 360

atgaatcgtt aggatgaaga caaatgatag tttcaagata tgcaaaaaga ttccacatat 420

agtaattatc 430

<210> 3614
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3614

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cagaattcat gtaacatcaa gaggaacaaa acgatcatga ataagagtct catttcatgt 120

ggccgctgaa gaatgaataa gagaacttac tgctaaatcc gcacgcccat caatatgagg 180

agaaacaata tatgaatttt gtgaatcttg aagccatggc tcagtccana tttttatctt 240

tgtgccatct accactttcc atctaatgcc atctttgact aaagcttgtg aagtgtgaat 300

actatatgtc aagtataact tgggttatgt cccaaagagg aacccaagaa ctccccatta 360

tggtaatatt ttgccttgaa aacttgtgaa acaacagcat cctggtcaga agctagcttc 420

catcctt 427

<210> 3615
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3615

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attcagctct gaagagaatg tcgtggatct ctgtatatac cacaaggtca gcgggagtaa 120

gatttgtttc cttgtattat acgtaaatga tattctgctt gcaactaatg ataaaggtat 180

gctatatgaa gtgaaacaat ttctctccaa gaactttgat atgaacgata tgggagaggc 240

atcttatgtc ataggcataa agatccatag agaaagatct cgaggaattt taggcttgtc 300

tcaagaaacc tatatcaaca aagttntaga gagagttaac atgaaagatt gttcaccaag 360

tgtagctccc attgtgaagg gtgacaaact cgct 394

<210> 3616
<211> 459
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3616

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tacaacttgc aaactaagaa actcgtcatc agtcgagatg ttgaagttga tgaatatgct 120

tcttggaatt gggatgaaga aaaagttgag aagaacgttc ttatacccgc tcaactacct 180

caagaagaag ctgaggaaga agacccacgt gaaccacctt cacctgcacc acaacaacaa 240

gatcaagaac tatcatcacc agagtctact tcaagacgag taagatcttt ggtggacata 300

tatgaaacct gtaacttggc catacttgaa cctggaagct ntgaagaagc attaaagcac 360

gaagtatggg tcaaggccat ggaagaagag atacagatga tcgagacaaa caacatatgg 420

gagtttgtga atcgtcccca tgggaaagat atcattggg 459

<210> 3617
<211> 399
<212> DNA
<213> Glycine max

<400> 3617

agcttacaag gttgtctgcg gtgttagttt tggtgtactt gaaggcaaga tttgggtgga 60

gcgataaaag ctttactaaa ttggtggtgt tattgaagaa aatgcttcct gaacaagaca 120

cattgccgaa aaatcactac gaggcacaaa agattttatg tcctatagga atagagtatc 180

ggaagatcca tgcatgccct aatgatttca tattatataa aaatcagttt gcagaaatgc 240

gttagtgtcc cacttgtggg gtatcatgat acaaagtcca gcatgatgaa ttcagtgatg 300

atgcaagcaa acagaatagt catcccacaa aggtctgctc gtatcttcca atcataccaa 360

tgtttaagcg attgtttgct aatatacata atgaaaaaa 399

<210> 3618
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3618

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tttaatggag agggttacca ctactggaaa acccgaatgc aatattttat cgaggcaata 120

gatctaaata tctgggaagc cattgaaata gggccttata tacccaccac agtagaaaga 180

gtttcaatag atggtagttc atcaagtgaa agcataacca tagaaaaacc taaagataga 240

tggtctgaag aggatagaaa acgtgtacaa tacaacctaa aagccaaaaa cataataaca 300

tctgccctag gaatggatga atatttcaga gtttcaaatt gcaagagtgc taacgaaatg 360

tgggacactc ttcgattaac acatgaagga actacagatg 400

<210> 3619
<211> 225
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3619

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ctntgctcca acaacagatt ttcctttggg gagttctaca agcttccata catcgttatt 120

ctaaaactgg tgtagctctt cttccattgc tttgacccag tattaattag acatgatatc 180

atctatgtgt ttttgctcaa tctcagatag tagtgttgtg ttctt 225

<210> 3620
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3620

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gtgcggcttt tagatgagga gaggtaggag cctccataaa gcgacacaca actcccaccg 120

catatagaat atccggcctt gtattggtta gataccttaa actccccaca agactctaga 180

agatcgtgga gtctaccttc tctccttcat caaactttga taacttcaag ccaccttcca 240

taggtgtgat cacgggattg caatcaagca tattaaattt cttcaacact tcttttgtgt 300

acctttcttg tgagacaaag ataccattct ccgtttgctt cacttccatt cccaagtaat 360

atgacatgag ttccatatct gtcatatcaa attca 395

<210> 3621

<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3621

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catgcagtcc tcttgaaccc ttacctccca ctctntcgtc atgccgggac tcaggaaacc 120

caacaggttn tgccttttca atgtactctg aacaaaactc aatagcttct tttgcaatat 180

acctttcaat aatagatgct tcaagacagt ctagattctt tgcataccct tttatgattt 240

tcatgtatca ctcaaccagg tatatccacc acaaataaat gggaccacaa catctaattt 300

ccctcaccag atgaacaatt aagtgcggaa cca 333

<210> 3622
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3622

gcaccaacca ccaacactcc agaatcagca tatgatgtat tcggaagctt catcagtgcg 60

agctcgacag tagccgagct gacagaaacc gatccagacg aaatgttagt ctcagttcta 120

acccgcttac caaccgagat cgcctgcttg aacaaaccac taattttctt atcagaacca 180

ggcactccct gtccagctnt cacaacctgc ttaacctgag caagaatttg accttcccca 240

agaacaagtg agtcatgccc tgccgccact tcaaagagat gctgcatgac atccgcgtta 300

tacagcaaaa cttggtgctc acaaagctca tgtattga 338

<210> 3623
<211> 327
<212> DNA
<213> Glycine max

<400> 3623

gattccttct tgagcttgga gctgcatgga atttctaata ttctgactca catatgctac 60

atcatgagac atcacaccaa ggcctttcag cagcttataa cccaagtgca agctagtctg 120

caagaataaa atatttagca ccagttttca agcatcatgg gagggaaaga atttttgac 180

agtacctctg cattctccaa aatggcatcc gttgcacctg tcttctttag atctaaaaga 240

tgctcgagat caccagcttc tggataaact gggatctgag gaatttcatc actaagtata 300

ctatttaacc acgagagaag agaacag 327

<210> 3624
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3624

gaaacttcct tgagaagctt ctntgagaaa acttccttga gaagctagag cttagctaca 60

catacccctc tcataactaa gctcacctcc ttgagaaact tccttaagaa gattcctaaa 120

gaagctagag cttagctaca catacctctc taatagctaa gctcacctcc ttgagatggg 180

aagctagagc ttagctatac acaccctata atagctaagc tcacccccat gaaaaaaaac 240

atgaaaatac aaaaaaaaaa gtccttacta caaagactac tcaaaatgcc ccaaaataca 300

aggctaaaac cctatactac tagaatggcc aaaatacaaa gcccagacga aggaaaaacc 360

tattctaata tntacaaaga taagcgggct catacttagc ccatgggctc gaaatctacc 420

ctaaggctca tgagaactct aggggccttc cttggatctc ta 462

<210> 3625
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3625

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ggtaatattg tagccgatgc tctttctcgg cgtcatgcat tactttctat gcttgaaaca 120

aaattgattg gtcttgaatg tttgaaaagc atgtatgaaa atgatgaaac ttttggagaa 180

attnttaaaa attgtgaaaa attttcagaa aatggtttct ttagacatga aggctttctt 240

ttcaaagaaa acaaattgtg tgtccctaaa tgttctacta gaaatttgct tgtttgtgaa 300

gcaccatatg aggtttaatg gggcattttg gggtccaaaa gactctataa acattacaag 360

aacagtttta ttggcctcat atgaaaaagg atgtgcagaa tatttgtgaa cattgcatta 420

tatgtaaaaa 430

<210> 3626
<211> 432
<212> DNA
<213> Glycine max

<400> 3626

ctaagctcgc catcttccct gcaccaacca ccaacactcc agaatcagca tatgaggaat 60

ccggaagctt catcagtgcg agctccacag cagccgagct gacagaaacc gatccagacg 120

aaatgttagt ctcagttcta acccgcttcc caaccgagat cgcctgcttg aacaaaccac 180

taatttttctt atcaaaacca ggcactctct gtccagcttt cacaacctgc ttcacctgag 240

caagaatttg accttcccca agaacaagtg agtcaagccc tgccgccact tcaaagagat 300

gctgcgtgac atccgcgtta tacagcaaaa cttggtgctc acaaagctca cgtattgaaa 360

tcccgctcac ctaaacaaaa aaacacaacc gtgagttttc tttctaaact aaaactagaa 420

cagaacatgg gt 432

<210> 3627
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3627

tgtcattcct tcttgagctt ggagctccat ggaatctcta ataagctgac tcanaaatgc 60

tacatcatca gacatcacac caaggccttt cagcagctta caacccaggt gcaagctagt 120

ctggaagaat aaaatattta gcaccagctt ccaagcatca agggagggaa agaattcttt 180

gacagtacct ctgcattttc cacaatggca tccgttgcac cttgctttct tcagatctaa 240

nagatgcttg agatcaccag ctctggcata gattgggatc tgaggaattt catcactaag 300

tatactatta aaccaagaga gaagagaaca gaaatatagg aagatcccaa acacacaccg 360

ttacaaaatt ttattagtca acgtcacccc taatataaac ctaacatgta catgtcct 418

<210> 3628
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3628

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tcgagacgct cgaaatttaa catcggaagc ttccgagcaa ttcaaatggt cataacttct 120

aactcggagg tccgattgag gcgcataata tatcgagacg ctcgatattg aacaatggca 180

gctcttgagc aattcaaatg gtaataactt ttcactctga ggtccaattg acgcgcataa 240

tatatcgaga cgctcgaaat tgtacaatgg aagctcctga gcaattcaat tggccataac 300

ttctaacgtc ggag 314

<210> 3629
<211> 385
<212> DNA
<213> Glycine max

<400> 3629

agctttaagg aggaggagat aactaatgca gtgtgtgctt gcggaggaga caaaagccca 60

gggtctgatg ggctaaattt ttgtttcatt aagcatttct ggagcatcct gaaacctgaa 120

ttccttaggt ttttctcaga gtttcatgtc aatgcaacct tccctaaggg cctaaattca 180

tcattcattg ctcttatccc caaaatcaaa gatccccaac tcctttctga ctttagacca 240

atatccttaa ttggatgtgt ttataaaatc attgctaaag tcctagctaa tagggtcagc 300

aaggttatga atcacctctt agatgaaagg caatcagcct ttggtaaggg cagacagatg 360

cttcatgcag ttttaattgc taatg 385

<210> 3630
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3630

cgcatgaatt acattctccc nctttctcaa gcaaattctt aattcttctt gacatcatca 60

aaatcttcat catcaataat cttaagaggg ataggcttaa aatacagaag aagcaacaac 120

aatcaattta acaatgttct ttaaacatgc aagacacaat tgattgcaaa aaattaaata 180

agataaggga agagagaatg caaacacagt tttatactgg ttcggccaca tcccgtgcct 240

acgtccagta ctcaagcaac ccacttgaga tttccactat ctttgtaaaa tccattacaa 300

agtctgaacc acacagggac aacccatccc ttgtgttcag gaatcctnta caacaagaga 360

ctcacagtcc cttaaccaat ctcattgaat 390

<210> 3631
<211> 367
<212> DNA
<213> Glycine max

<400> 3631

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cccgacgaag acactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120

ggggcaagta aatattcttc ccatcagacc ttggatgcaa ctgtgatctt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg tttaggagcg 240

tcccaatcac actgtcacaa acatttttct gcacatgcat aacatcaata caatgtctaa 300

cgtcaagatc acaccagtac agaagatcaa agaaaatata cctcttcttg catatgtgac 360

tctgact 367

<210> 3632
<211> 263
<212> DNA
<213> Glycine max

<400> 3632

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ttgcctagcg ctgttcatgt gtcctccacc ttcgagtctg gagccccgcg aatgtcattg 120

cctagcactg ttcgacaatt ctccattctc cacttttatt cggagcccca tgaatgacat 180

tgcctagcgc tgttcatgtg tcctccaccc gcgagtctgg agacccgcta acgtgattgc 240

ctagcgctga ctgccaattc tcc 263

<210> 3633
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3633

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cttcagtatg gaaaagccac tgataagact gatgttttca gctatggggt ggttgtgctt 120

gaggtggctt gtgggaggag gccaattgaa agagaagggt ctaagatgtt gaatctgatt 180

gattgggntt ggggccttca ctctgaagga aaagtgattg aggcagctga taaaaggttg 240

aatggggatg ttgaggagga ggagatgagg aaattgttga ttttggggtt gagttgtgct 300

aatcctgata g 311

<210> 3634
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3634

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tcctnttgag gacgctgatg cagatgctga gggtaccaag atggaagaag ctgatctaaa 120

tctgacttaa atgcctgtta cgttcttaga aacaatgatt ggagaaacag tctttctact 180

atggtctatg ttcttcgaat tttcgaaatt ttggaacgtt ggctagttac gtgccgcatg 240

ttgtacttct ttattggata tttgcgtcct tccctgcc 278

<210> 3635
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3635

ccaatgccta caagattaaa tcctaagcta tcagccagat actatgttcc ttattgggta 60

gttaaanaaa ttggagcagt ggcattgcag ttgcaattac ccgacgctgc tcgaatccac 120

cctggttttg acatatccga attgaaactc gcagtgggag aacatcagat cgaggcagaa 180

ttgccaaagg aactacaagc tgaagaacaa gggatacaac cggaacaagt actggtaaca 240

agaatgtttg gtccagcagg agcagaaatt ccacaagtat tcatcaagtg gaaaggacga 300

catgctgaag gagcaacctg tgaggacaga tcaaatatga tgcaacaatt ccctgctttc 360

aaccttgagg aca 373

<210> 3636
<211> 353
<212> DNA
<213> Glycine max

<400> 3636

agaggttaat gaaacaatga gatgtttttc tctatgagag gttggatcaa atggtgaatt 60

tagatcctta tgcagaagaa aggatgagaa gagggaatga tggtgttcct agacaaaacc 120

gaattgatgg tattaaactc aacatttctg cctttaaagg aaagaatgat ccggacgcct 180

acttggtgtg ggagatgaaa atagagaatc ttttctcatg caacatctat gaggaggacc 240

aaaaggtgaa gcttgctgcc acggatgatt cggactatgc tctagcgtgg tggaacaagc 300

tatagaaaga gagagcatga aatgaaaagc caatggttga acatgggcgg aga 353

<210> 3637
<211> 422
<212> DNA
<213> Glycine max

<400> 3637

gcgaagtggg tggaattcct agagcaattc ccttatgttt atcaaatata aaaaggcaaa 60

aggtaatata gtagccgatg ctctttctcg gcgtcatgca ttactttcta tgcttgaaac 120

aaaattggtt ggtcttgaat gtttgaaaag catgtatgaa aatgatgaaa cttttggaga 180

aatgtttaaa aattgtgaaa attcttcaga aaatggtttc tttagacatg aaggctttct 240

tttcaaagaa aacaaattgt gtgtgcctaa atgttctact agaaatttgc ttgtttgtga 300

agcacatgaa ggaggtttaa tggggcattt cggggtccaa aagactctag aaacattaca 360

agaaccattt tattggcctc atatgaaaaa agatgtgcag aacatttgtg aacattgcat 420

tg 422

<210> 3638
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3638

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acgcgcagac tatatcgaga cgctcgaaat tgagcaacga atgctctcga gaaatctata 120

tggccataac ttgtcacacg gatgtccgat ttaggggcat aatatattga gat 173

<210> 3639
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3639

gacaagacta tacgaggtat cttccttngt atagcaatat ctccaagggc taccgtgtct 60

acaacttgca aactaagaaa ctcgtcatca gtcgagatgt tgaagtttat gagtatgctt 120

cttggaattg ggatgaagaa aaagtggaga agaatgttct tatacctgct caactacctc 180

aagaagaagc tgaggaagaa gacccaggtg aaccaccttc accttcacca caacaacaag 240

atcaagaact atcatcacca gagtctactc caagacgagt aagatctttg gtggacatat 300

atgaaacctg taacttggcc atacttgaac ttggaagctt tgaagaagcg tcaaagcacg 360

aagtatgggt caaggcaatg gaagaagaga tacagatgat cgagaaaaac aacacatggg 420

agttag 426

<210> 3640
<211> 196
<212> DNA
<213> Glycine max

<400> 3640

agcttgtagg tcttgaatct tcttcatcaa tggagtcatc tacttcttga agatcaattg 60

cagcggaatg gaaatggaag aaagatgatt ggagacgcca ctttaaggag aagatgagtc 120

aagaagaagc tcaccaccat aggaaagcat gaataagagc ttgaaggtac gagaaaatga 180

gtggaaggag agggac 196

<210> 3641
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3641

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aatagtatta gcattttgat ttctagccat gtatttgttg gaccttgtgg cctcaataat 120

cttaagaggg ataggcttat aatacagaag aagcaccaac aatcaattta acaatgttct 180

ttaaacatgc aagacacaat tgattgcaac aaaataaata agataaggga agagagaatg 240

caaacacagt tttatactgg ttcggccaca acccgtgcct acgtccagta ctcaagcaac 300

ccacttgaga tttccactat ctttgtaaaa tcctttacaa agtctgaacc acacagggac 360

aacccatccc ttgtgtcaga tgctt 385

<210> 3642
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3642

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aataattatg acctttcaag caatagatac aatccaagtt ggaggaatca tccaaatctg 120

agatgggcaa gtcctccaca acaacaacag cctatccctc ccttccagaa tgctgctgct 180

ccaagcaggc catatattcc tcctccaatg cagcagcagc agcaacaaca acaacaaaga 240

caacaagcag ctgaggcccc tcctcaacct tcagaatatg caatttcagc aagagacaag 300

agcctncatt cagagtctga caaatcagat ggggcagatg gctactcagt tgaaccaagc 360

tcagtcccaa aatttgacaa atggcttcat aaactgtgca gaatctgaaa 410

<210> 3643
<211> 412
<212> DNA
<213> Glycine max

<400> 3643

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ggcatgataa atctatcctt ttaaatattt aacataactc tacacttagt acttgaattt 120

gagaccacta gctaagataa aataattttg cgccaattaa tcaacatgtt agcttttatc 180

ccatgtaatt tgctaattac ttacatatat gtgcgaaaca tgataaagac taaataactt 240

agataataca atagtagatc atcaatgagt atgcattaca gagatataat atatgatgga 300

gaaatagttc tggtaaccaa tagaaattgt aaaattcttc gctttaactg tgtattatac 360

aataataagt gttaaaaacc cctcatggta tcgtgggttc attgacaatg ac 412

<210> 3644
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3644

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attgctcttg gtatagctaa agggattggg tatcttcacc aaggttgtaa ccatcccatt 120

attcactttg acatcaatcc tcacaatgtg ttacttgatg acaacttcac tccaaaaatt 180

tctgattttg gcttagcaaa attgtgttcc aagaatccta gtttggtgtc catgacagct 240

gctaggggaa ccttgggata cattgcacct gaagttctct ccagaaactt tgggaatgtg 300

tcttataagt ctgatattta tagctacgga at 332

<210> 3645
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3645

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atcagtaatt acaaaaatat tatcttattt ttttacctca tgtcatgatt tgaagaaata 120

tgtttgctac aaagtactga tactttaatt tgcttcatgc atctatatct gataccaata 180

tattgatata tttcactggt acatatatgt gaagtgacca attctttaaa aaaaattatg 240

atcaaatata gtgacatgta acatagaagt aagtataata taaaaatata caaagtattg 300

tttcttgatg aaccaaatat gacaantggt atgtgtatag ataatttcaa gacagacatg 360

agatcgatca ttgatagtac cattcttaat tgtgaacaat aggaaaaaat gatctac 417

<210> 3646

<211> 255
<212> DNA
<213> Glycine max

<400> 3646

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aacctcaagg agacggcact cacatttttt ggattctgca tagcccgcga acgcaatttg 120

tcagaatttt gggactgagc ttgattcata tgagtagcca tctgtcctat ttgatttgtc 180

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ctcactaact tttct 255

<210> 3647
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3647

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ggatcaaatg gagaatagag atcataatga agaagaaagg aggagaagag ggaatgatgg 120

tgttcctaga caaaaccaaa ttgatggtat taaactcaac attcctccat ttaaaggaaa 180

gaatgatctg gaggcctact tggagtggga gatgaaaata gagcatgttt tctcatgcaa 240

caactatgag gaggaccaaa aggtgaagct tgccgccacg gagttttccg actatgctct 300

tgtgtggtgg aacaagctac aaaaggagag agcaagaaat gaagagccaa tggttgatac 360

atggacggag atgaaaaaga tcatgaggaa gcggtatgtg ccggctagtt actcaaggga 420

cttgaaattc aagctccaaa aactaaccca aggcaacaag ggggtngagg agtatttcaa 480

ggaaat 486

<210> 3648
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3648

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ctgatggctt cttctcgttg caagcttcaa ttggagtctt gtcttttaca gacttagttg 120

gacatctgtt gagtatgtaa acaactgtgt agactgcttc agctaagaat gtgttagata 180

gtctcttctc tttgagcatc gatctagcca ttttcgtaac tgtgcgattc tttctctcgg 240

acactccatt ntgttgagga gaatatgcaa ctgtaagttg ccgctcaatg ccttcatcct 300

tacaaaatct ttcaaactcg cgagaggtgt actctatgcc gcgattactt gttagtactt 360

ttatacgttn tccactgtga ttctcagcaa gggccttgaa ctttctgaat acttcgaaga 420

cgtctgatct ttctttttata anatataccc atgtcattct agagaagtca tcaatgaaga 480

gtatg 485

<210> 3649
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3649

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catgcttagt catgatgcaa tcctaccccg caagggcatt ggatacaaga ctctcagtag 120

attgggcctg agatccaagg gaaggcccta cggttctcat gagccttacg gttgatattg 180

agcccatggg ctaagtatga gcccgcttag gccttgtatt ttaccttatg attgagagtg 240

ttgtgttggg aaccttagat gcggccatcc agacactctt aagattcgcc taatatacat 300

tacttgctta ctttcgtcgc ttattacttg taccttccat tgtcacaccg cctagatagc 360

ttgcatatta ccaagtagtt gttaccttat ctttcacaca ctctttag 408

<210> 3650
<211> 453
<212> DNA
<213> Glycine max

<400> 3650

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ttatcgtccc gtccaattct tggtgttcct aggtcagatg gctcatatgc agtatcacta 120

ccataatctg aggcaacaga tgaactgcca gcgaataatg ataaactcga ctggagaggt 180

gattgcacag aataaactgt gttattggaa tcggcgtctg tttcacaatt ctgctggctt 240

gcatcttgga atgctaagtg attaaatgag gtataaaata tcataatttg cgagagctaa 300

caatcgatta gcacaaaaca gaccatactg acatgtttga ggaaactaag tgcaagttgc 360

aaaagataat cacatacaag atctagcagc tgcttctagt tcaagaaatg acgccacggc 420

agcacatcgt gatatatcaa tgtcagataa tag 453

<210> 3651
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3651

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catgagagga caaagcacat agatgtgaaa ctacacttca ttagagatgc gattgaatct 120

aagaaggtga aggtggagaa ggtttcaaca gaagaaaacc cggctgatat gttcacaaag 180

tccctctcta gtgtcaagtt caagcactgc ttggacttga taaattntga agatgcctaa 240

agcagattgg tagaagtgca gctctaaatc acaaggtaga cactcgctga tttagagtca 300

aagtggagat ttgtggtgtg tgactcacaa tcacatatga cacaagtgaa aagactttaa 360

agtagtgttg tcataactgt tttaagttat tataactaaa ctgggtttgg caccaaagca 420

taactagagt gtacatatat attctcgatc atgtaat 457

<210> 3652
<211> 480
<212> DNA
<213> Glycine max

<400> 3652

ccatgatgat gaagccaagc aatttgatga tgccatatgc ccatgtgatt gattcaagat 60

tgattcatga attcaagatc aagcatgaag aatccaatcc aagattaaag agaagatatc 120

acgaagcaac aagtcaagac ttcatatagg ataagttgta aaagattctt tcaaaaatca 180

aatagcagag ttttgtttta caaaagaatt ttctaaagtt actagagtga ttactctctg 240

ataatcgatt accaattgat agtaatcgat tactagtgac tagactggtt ttcaaaatgt 300

tctcaaatga tatgtaacgt tccacaatga ttttcaaata gtataatcga ttacactata 360

ttagtgatcg attacaagtg aatctgaacg ttggaattca catccaattg tgaagagtca 420

caactcttca taaaatacat cggataatca attataccat ggcggtaatc agataccagt 480

<210> 3653
<211> 378
<212> DNA
<213> Glycine max

<400> 3653

ctaagcttaa tggcctagtg aggatggaga ggtgcaagta aggaatcaag tgtagttgga 60

tatttccatt ggaaagtaca atgataaggt gctctgtgat gttgttccta tggaggccag 120

ccacttactc ttgtggagat catggcaatt tgataagagg gctaatcatg atgggttcac 180

caataagatc tctttcacac atcaaggaac aaagatagtg ctcaaaccat tgagtccaca 240

agaagtgtgt gaggatcaca gaacaatgag agagaaaatt cttcaagagc agagagatca 300

agaaaaagag agcgaaacac ttgagagttc acaaagtgat gaaaaaaaga gggacacacc 360

agagaggaat aagatgag 378

<210> 3654
<211> 426
<212> DNA
<213> Glycine max

<400> 3654

agcttgtaaa ggtatgtata taataagtgt tcaagattga atgaatgaat taattgaaaa 60

gcaaaccaca gcctcgcttt tatagactct tcatgtctgg ccaagaggac catttataag 120

agctacaact tttagaataa cttaaaacca atttgaaaaa gtcaaaacct ttttgaagag 180

ttacatcttt cgatttattc agaaacattc actggtaatt gagtaccaaa atagtgtatt 240

cgattacaca aggcttttat gtgaaaggat gtgactcttc acatttgaat ttgaatttca 300

cattcaaggg actggattcg attaccaaac attgtaatga taccgttttt gaaataattg 360

caccgtgcaa ttcatttgaa acttttcaaa catttgcact ggaatcgata caacattgta 420

tcatac 426

<210> 3655
<211> 383
<212> DNA

<213> Glycine max

<400> 3655

agcttctggc tgttcttaaa tatattcaca aagaaaggtt agaacaaaga aagtttctaa 60

ctatcaagtt ttttgttctt tccatttttc ttttaaacaa ttaagcttca acaatgtcat 120

gagttaagtg tgtaactgca tcaatgtgca tgggacaggt acttgacggg tttcctatat 180

ttcacgggca ttaatttcgt tttgacgttt gttgctgcta ttctctgtgt gtgttttgca 240

cccacagcag caagacctgg aattcctgaa atcaaagctt atcttaatgg tgttgatact 300

tccaacatga ttggtgctac aacattgatt ggcaaggtaa cattaattat ttgattgtat 360

gtaacactgt ctctgttcct tca 383

<210> 3656
<211> 323
<212> DNA
<213> Glycine max

<400> 3656

agctcctgta aaatatcaag ataacgagca taatattgct ctttttcctt cttggaaggc 60

accaaagggt attgttagtg tttagctcta ctgagctcta caagattggc taagattttg 120

ttaaaacata tgcacttata caatgaatgg aagctggagt tgctgcacat gatgtccaac 180

gttatgtcaa ggaataagat cgggctgcac aatgcacaag gcaagatgaa atgtcaaatg 240

aagaattgaa gctgcataat tcacgatgtc ggatacaatg tcctgacatc ctgcccgaga 300

atactggagt tgctgtacaa tgc 323

<210> 3657
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3657

agctctacat tactcctcat gcttntcacc atgtattata acgatcgatt tcttcgttct 60

gccacaccat tctgattcgg agaaccaggc atagtgtatt gcgcaacaat cccatgttct 120

tgaagaaatt tcgtaaatga acctcgggct tgtccatcct ctgtggatct accatagtac 180

tccccacctc tatctgatct cacgatctta atttattttc cacattgttt ctcaacttca 240

gccttataaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtagagatac 300

atatatcgtg aactatcatc tataaaggtt atgaagtatt tcggactata tgcatccatg 360

tcctgacaac atatgtctgc atgcatgatg atttctaata aat 403

<210> 3658
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3658

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attaatttct tttctatgaa gggggtcgag cattattcct tcaatttcgc tacttccctt 120

taaatcaatt ataactggca ttaattaagt attcataatt tcaacaaaaa ctaaaatgct 180

taaggatgat aaaaatcaag aaacaaagtt gacaacaata ttcttacatt atcatcttct 240

aatacttgaa gaacatcttc atggtgccat aatctgctgc gttcgccaat tttattggat 300

gctttctcct taactatctc tctacccatg tctngtatta gatcatgcat ncacaggcaa 360

tcatagtcaa cagttaaaag tgatttatta actaatgttg taataccatc tcctgagctg 420

aaatcagatg catctnagta cagttntaca taatccaatc gttgcccttt gaaaaacatg 480

caacatc 487

<210> 3659
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3659

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tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc atacgtagca gttgtccttt 240

gatctgctgc ccttcattag aacttcacac ttctcatttg tcactaagca ttctgactat 300

gcgaagatta cattgaatcc ttcatcacac agctgactga tgctgatcaa gt 352

<210> 3660
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3660

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ctattttcag attgggaatg cctctaacag cacttttgtc aaggattttc ttcatgcctc 120

ttaagtgcag atgtccaaac ctttgatgcc atattctgac ttcatcttct ttggaggata 180

gacatgtgga ggagtagctg gtttcttggg gtgtccatag gtaacaattg tcctttgatc 240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactntgtga 300

agtttacatt gaatccttca tcaaacagct gactgatgct gatcaagttt gcagtcagtc 360

ccttcaccag cagtactttg ttcagactag gaagtccatc atgaactagc tntcccattc 420

caatgatctt tcctttagag ccatctccaa atgtcacata actagt 466

<210> 3661
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3661

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tcttctattt tcagattgng aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gatgtccttt 240

gatctgctgc ccttcattag aactccactc ttctcatttg tcaccaagca ttctgacttt 300

gtga 304

<210> 3662
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3662

agcttctatt ctttgtacaa gaatgaagct ctgataccac ttgntagaca agtggcctca 60

gatatcttaa gaaggggtt gaattaagat atcacaaact attccctaat taaaaattct 120

aatttgatgt taacccaaat cctaagattc cttttaaaat gaattcctaa ataattattc 180

aaattaaact tactgaatag aagcaataag caataataaa taaaagagtt taagggaaga 240

gaaagtgcaa actcagtttt atactagttc ggccacaccc ttgtgcatac gtccagttcc 300

catgcaaccc gcttgagagt tccactcaat cgcaaaaacc ctttacaagt tctgaacca 359

<210> 3663
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3663

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tagatgcaag agaagaccct agggttctca tgtgccttac ggtagatctt gcgtccatgg 120

gctaagtatg agcccactta tctttgtaca tattaaatta acgtttcatt atttttgggc 180

cttgtattta cggctccata gtgtacggag ggtaccctac tattgtacga tttttcaacc 240

cttgtatttt aaaacaccta aactagtttt tgtattaagg gtagttttat aatttcatat 300

gcattaagcg tactatttga tgtgtgatgg gagataaatt taattgaatt gcgagaagcc 360

cactcaaatt acattttgga 380

<210> 3664
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3664

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agattcttgc cttcttctat tttcaagatg ggaatgcctc taacagcacc tttgtcaatg 120

atattcttca tgcctcttaa gtgcagatgt ccaaatcttt gatgccatat tctgacttca 180

tcttctctgg agaatagaca tgtggaggag taactggttt cttgaggtgt ccatangtaa 240

cagttgtcct ttgatctact gcccttcatt aggacttcac tcttctcatt tgtcaccaag 300

cattctgact ttgtgaagtt tacattgaat ccttcatcac acagctgact gatgctgatc 360

aagtttgcag tcagtcccta caacagcagt actttgtcca actatgaaat catcatggac 420

tatgctttc 429

<210> 3665
<211> 372
<212> DNA
<213> Glycine max

<400> 3665

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caggcgcata atataccgag acgctcaaaa ttgaacaacg gaagctctcg agaaattcaa 120

atggtcataa tttgtcacac ggaagtccga ttcaggcgca taatatatcg agacgctcga 180

aattgaacaa cggaggctct cgagaaattc aaatggtcat aacttttgaa acggaagttc 240

aattcaggcg cataatatgt cgagaagcat gaaattgaac aacagaagct ctcgagaaat 300

tcaaatggtc ataacttgtc acacgaaagt tcgattcaca cgcataatat actgagacgc 360

tcgaaattga ac 372

<210> 3666
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3666

tccaataacc aaggtagtgg agagaatgaa gaattcaatt atattgagaa acagaaagag 60

gaagcatcta atgctgcgcg tcggaggcca acgcgagaaa cttgaaatgg ttgaatcttt 120

attttaaagt ggcgccctgt ttagtatcat catcaccaca gataaatttt gggcttagtt 180

tcattatagg tgcactctgt tttcagtatt ttctttttc ttcctttaa gaaaaggaaa 240

agattatttg cttcaagggt gtagatcttc tcctgttttt ggagactcga gtgtttgagc 300

tagttgaagt tgtacaatta tttttctatt aatggattct gtttttaacg cagattaatg 360

cctagctacc tttncataat taatcgaaaa tccctattct aatacctact ataatgcaat 420

agaataatga ntaattttcg ccatttttat tactgcg 457

<210> 3667
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3667

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atttgtgtaa tttatctttt tcttatataa ttgatattat ctcttctttt actttataga 120

gatgtcaaaa aacttaataa attaaaagtg gacaactaat aataattagt gtctttctca 180

attgaggagg ggtcaaaata ctctntccaa taactatcta tgtatcaatc tcagtgtgtg 240

ttaattttat taatcaaatc gctgaattaa aagtttttat taaataaatg aggtttataa 300

ttactccgtt aaataattaa atttaatgta taatgtattt cttaaaaaag ataagttaaa 360

gttgattata gaactacata aatacaaatg ttgaatttat ttaaattgga atgtatacga 420

ttgttgag 428

<210> 3668
<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3668

tgaggattta aacgacaata acttntactc ggatgtttga ttaagncccg caatatatcg 60

agacgctcta aattgaatgt tgaagctctg accaaattca cacgacgata aatttttact 120

cggatgtctg attgagtccc gtaatatatc gagactctcg aaattcaatg ttgaagatct 180

aagcaaattc aaacgacaat aacttttac tccgatgtnt cattgagtcc cgtaatat 238

<210> 3669
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3669

agcttcaaca ttcaatttcg agggtctcga tatattacgg gactcaatcg gacatccgag 60

taaaaatgta ttgtcgcttg aatctgctca tagcttccgt attcaatntc aagcgtctcg 120

atatattaca ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaatttgctc 180

agagcatcaa gattctattt ggagcgtggc gatatattat gggactcaat tcgacattcg 240

agaaaaa 247

<210> 3670
<211> 353
<212> DNA
<213> Glycine max

<400> 3670

agcttggata gcaaagcagc ttcagaagag tttatcttgt ctcccttcat aatgagttcc 60

acaggggtga taatttccac agtaccctta ttaatcttgg tagggatgtc aagcacctga 120

aattaaatat gaacaccata tatattatca acgggtaatt ccaattaagt tcttaattcg 180

ttccatgaac aagaatgcag aaattaacct gaaagataga gagctgagag ggatccagct 240

ctgtgttgcc tgtgggaaca acaacatcaa taggtgcaac taaacctaca cgagcatgag 300

ctgtcaccta taacaacatt tataagtgag tatgttaact ggcataaagg gtg 353

<210> 3671
<211> 398
<212> DNA
<213> Glycine max

<400> 3671

taatattcaa atgaatcaaa ttgaaaaaat tcacacacat tacatttatt tatagcctaa 60

gtgtcacaca catgaatttc tattcaaatt tcacttgaat ttgaaattga atttgtggag 120

ccaaaattca ctaatcatga ttagtcaatt ttggctatgg ttcagcccac taatccaaga 180

tcaagtccaa gattcttcac taagtgtgct tacgtgtcat gaggcatgta aagcatgaag 240

gacgtgcaca aagtgtgact atatgatgtg gcaatggggt gtagcaaaca aattctcacc 300

tccccctcta aaatataatt ggattgggct tctcccaatt aattaaactt atttctcaac 360

acacacatca catattcact tagtgcatgt gaaattac 398

<210> 3672
<211> 425
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3672

agcttgtcaa gcagtgtggc ttgatacttt tatacatgaa ctgaagatca aagaagaagg 60

tccagctgag ctatatgtag ataacaaata tgccatcaag ttagccaaac atccaattgc 120

acatggaaga tcaaagcaca ttgaaaccaa atttcatttc ataagagacc aagttgcgaa 180

cgggaaattc aagttgaagt tctgcagatc aaaagatcag ctggccgata tatttaccaa 240

gtccttgaaa tctgaaacct tcaaaaaaca gagaagcatg ctgaatattg ttgatagcac 300

gaaactagct taaggaggtg tgttaaaatt taagaataaa taagctaggt attgaatgat 360

atagatattg ccacgtgtaa taagtactct cctatatgct gaaccatatn gagtattaac 420

tatgt 425

<210> 3673
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3673

cttggacgct tactctggat acaaccagat catgatgctt tctctatacg angagaaaat 60

gacatgtatc acttgagatg tcgacttttg ctacagggtc atngcctttc acctaaaaaa 120

acgtangggc acctatcata ctagtgaaat gatgggatcg agtcttttga cccacaaatc 180

gacgaaacat cgagctatat gtggaagaca tggttgtcaa gtctcaaagc atagcctagc 240

atatggcgga cttggaagaa atctttgggg aactccacac atatgacata cgcctcaacc 300

ttgaaaaatt tactttcgag gtaggaggag ggaagttcct tggcttcatg atcaactcat 360

tggggatnga tgccaacccc cacaaatgca ctaccatact atatatgcat aaccctacaa 420

atgtccaaga agttcataag ttgaatgata agctagca 458

<210> 3674
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3674

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gtgtaagtaa attagaattt gatggtcatg cactgacagc gtaaaataat tctgtactct 120

caaccaatga taaatcatta ttgacatgac tttttagata ggtattataa aaatcaacag 180

acttacaata natcgtagtt agtgattgaa taacaatgta aaactatttt acaagtttag 240

tgcatcacct attttctcaa taaattaaat tgtatgttta aaaattaaaa gtatttgtgt 300

gaagttataa tagaaagtta gcgcaatcct gtatattaat agcccttgta ataacttgat 360

gcattatatt aataattacc ccctctatcc catcatcatt gtaagaaaaa aatctgtcca 420

ccatgattaa t 431

<210> 3675
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3675

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tanggaggcc aagagatggc tgcattcatt ctagggcaac agtttaaaga ctagggataa 120

ggttgttgag aagtttctaa aaaaatattt cccagagtct aaaactgcca agggaaaagc 180

tgcaatttct tcattccatt agtttcccga tgaatctttg agtgaggcat tagaaaaatt 240

ccataccttg ctgcngaaaa ctcccactca tggtttttca gagcctatac agctgaacat 300

cttcattgat gggttacgac cgctgtcaaa gcanttactc cacacttctg caggaggaaa 360

aattaagttg aagacacctg aagaagccat tgacttaatt gaaaatatgg tttctagtga 420

ccacacaatt ttgcatgaga gagttcata 449

<210> 3676
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3676

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gatctgggtg ggagactttt cacgttccta taaaatttcc atttctatta taaaatggta 120

acctcttctg cagcttgatg agtggtggga gcagccaaca tcgacagntt gtgactgggt 180

aacagtggat gggcaaaatg taactgcctg gcataatcat gtgaaacaag ttcttgcatt 240

ttgtgacaag gagctattgt gattagaatt gtaaagcaca cggagtgagc aaacatttgt 300

gaagtctctt ggtcattttg tcattttaga tttt 334

<210> 3677
<211> 401
<212> DNA
<213> Glycine max

<400> 3677

tatgcttgtg gaccttgtgg cctcaataat cttattatgg ataggcttag aatgcagaat 60

aagcaacaac aatcaattta acaatgttct ttaaacatgc aagacacaat tgattgctac 120

aaaataaata agataaggga agagaaaatg caaacacaat tttatactgg tttggccagt 180

tcccgtgctt acgtgcagta ctcaagcaac ccacttgaga tttccactat ctttgtaaaa 240

tccattacaa agtttgaatc acacagggac agcccatccc ttgtgttcag gaatccttta 300

caacaagaga ctcacagtct cttaaccaat ctcattgaat aagaagaatg gaagaagaat 360

tctctcttca agagaagaat attacaataa agatcatgta g 401

<210> 3678
<211> 345
<212> DNA
<213> Glycine max

<400> 3678

aagccgaatg gagaaggagg aaaggtgatt agagatgcca cttcaaggag aagatgagtc 60

aagaacaagt tcaccgccat atgaagatat ggatataaga gcttacaggt aggacaagat 120

gagtggaggg agagggagag acagggcacg aaatttatgc ctcaaatgac gtatgaaatg 180

tgaagtgtaa tttctcaaat gatcaaagtt aaaaatatgc acacacaagg cctctattta 240

tagtttaagt gtcatacaaa agtggaggaa aatttgaatt tctattcaaa tttcacttga 300

atatgaatct gtggagccaa atgtggagcc aaaatttcac taatt 345

<210> 3679
<211> 435

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3679

agcttcacat tcacaaaaat ggtaatcgat tataacacaa ggtaatcaat taaaacaaca 60

agtttttaaa atagataaca cgtatcgacc aatggtaatc gattaaaaca taaagaattt 120

aaaactggaa acatatcaca agcaatggta atcaattaaa acatggcgta attgattaaa 180

acaaaaagtt ttgaaaaact taccaagcaa atatcataca gaaatcaaac ataaatcaat 240

taaaacaaag agtaatcaat taaaacagaa agaaatcacg aaatgactaa gaaaaacatg 300

tgatcttcaa ccaaactaag tatgcacatg aatcactaag ctaaaacaca gcanataatg 360

acaaatgata tgaatgacaa tgtgaaacac acttatgcaa ataagatgtc attctatgct 420

agatgcatcc aatat 435

<210> 3680
<211> 352
<212> DNA
<213> Glycine max

<400> 3680

tgtaagctac atttacaacc atacattggc tttgttcacc atgaggaaat tcacacaaaa 60

aattgaatta gtgagacatg gagttacaag atttgctacc actttcttaa ctgtgcaaag 120

attgcataag caaaaggcca atcttagaag gatgtttact tcagatgaat ggttgaagtc 180

taaggcagct aaagagccca aggggaagca agcaacagat gttgctctta tgccatcatt 240

ttggaatgat gttgtttatg ctttaaaggc tatagggcct cttgtaagtg tgttgaggct 300

ggtggataat gaaaaaaaac ctgcaatggg cttcatttat gaagcaatgg at 352

<210> 3681
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3681

actaagcttg atgcacatat ggagatgtta atgaaacaac gagatgatgc tctncatgag 60

aggatggatc aaatggagaa tagagatcat aatgaagaac aatggacgag aacagggaat 120

gatggtgttg ctagacaaaa ccgaattgat ggtattaaac tcaccattcc tccatttaaa 180

ggaaagaatg atctggaggc ctactcggag tgggagatga aaatatagca tgatttctcc 240

tgccacaact attaagacga ccacaatgtg aagcttgctg ccacggagtt ttccgactat 300

gctattgtgt ggcgg 315

<210> 3682
<211> 265
<212> DNA
<213> Glycine max

<400> 3682

gatggagctt aacctagtca cacttattaa gaactagctc ttttcttcct ctattgcctc 60

tagttgaata caccttttgtt gggatctcta tttggttcgt aaccctctca tgcaagttct 120

ttacaaactc tgacgtagat tctccttctt tatgtataaa acaagtgtct actgggaggg 180

gaatgaggtc taacggtgtt atgggattaa actcataaac aatctcaaaa ggcgactgct 240

tggtggttct atgaaccccc ctatt 265

<210> 3683
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3683

cctatgttgg ttatagctcg gagaacgcct caccttanga ccaaaagtgg tacaacaaac 60

cactgagaaa gttaagttaa ttgaagaaag gatgagaact gctcacagta cgcagaaaag 120

ttatcatgat aagaggagga aagatctgga attccaggtt ggtgatcatg tattcttgag 180

agtcactccg tggacttggg ctggtccagc attgaaatcc cgaaaactaa caccgcgctc 240

tattggtcct tttcaaattc ttaagacagt tcggcctctg gcataccaaa ttgcattacc 300

cccgtctctt tctaatcttc acaatgtctc tcatgtgtct caagtccgta agtatatccg 360

cgatccatcc natgtgattg aattggatga tgtacaagtg 400

<210> 3684
<211> 365
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3684

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ggatttgcgt ctctcatggg ggaacacaac cttcacttgg atgtcaaaaa attagtcgat 120

agtcactctt tcaacttgtg aggcagaata catagcaacg acttcataca tttgtcatgc 180

agtctggctt aggaatttgt taaaaaagtt gggcatgtca caagaatagc cgaccaagat 240

ctttgttgat agtaaatcag ccattgttct tgcaaagact ccagtgttcc atgatcgaag 300

catacatatt gatacatgtt accactacat aacggagtgc atagcangat aggatgtaca 360

tgcat 365

<210> 3685
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3685

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taatttcgag cgtcactata tgtgatgcgc cccaattgga cattngagtc aaatgttatg 120

accatttgaa tttctcaaga gcttccgctg tctaattctg agcgtctcgc tatgtgattt 180

cgctgaatcc gacatcngtg cgaaaagtta tgaccatctg aatttctcaa gagcttccca 240

tgttcaatnt ccaacctctc catctattat gcgcccgaat cggacatccg tgtgaaaagt 300

tatgaccatt t 311

<210> 3686
<211> 354
<212> DNA
<213> Glycine max

<400> 3686

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ggccataact tttcacacgg atgtccgatt cgggcgcata atatgttgag aggctcgaaa 120

ttgaacaacg gaagctcttg agaaattcaa atggtcataa cttttcacat tgaggtctga 180

ttcaagatta tactatatcg atacgctcga aattaaacat cggaaactct cgagaaattc 240

aaatggtcat aacttttcac acggatgtcc gattcgagcg cataagatgt ctagaggctc 300

gaaattgatc aacggaaact ctcgagaaat tcaaatggtc ataaactttc acac 354

<210> 3687
<211> 365
<212> DNA
<213> Glycine max

<400> 3687

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aatctgtgcc tatcgcaggg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttt catgcagcaa cctggagcaa ttgaccagcc tgaagcttat gctgcaaata 180

tttacaatag acctccttaa cctcagcagc gaaatcaacc acagcatagc aattatgacc 240

tttccagcaa cagatacaac cctggatgga ggaatcaccc taacctcaga tggtccagcc 300

ctcagcacaa caacagcagc ctgcttcttc cttccaaaat gctgctggcc caaacagacc 360

ataca 365

<210> 3688
<211> 209
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3688

tgaganaggt tatgaccatt tgaatctctc gagagctctc cctgttcaat ttcgtgcagc 60

tcgatatgtg atacaccaga atcggacatt cgagtgaaaa gttatgacca tatgaatgtc 120

ttcatagctt tcgttgttca atctcgtgca tgttgatatg tgaagcagct gaatcggaca 180

tccgagttaa aacttatgac cattttaat 209

<210> 3689
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3689

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tattgtgatc atctctttct ccatcattgg aggtgccact tgagctgcca ggtctctcca 120

cctttgggcg tattctttga aagattcgtg ccccttttctg cacatgttct gtggttgcat 180

cctatccgga gccatatcat aattgtactg atactgccca atgaaggcaa ccattaggtc 240

tttccaagaa tggactcggg aaggttccaa gttagtgtac caggtaacaa ctaccccagt 300

aagactttct tggaagaaat gtatcagcag tttctcatct tttgcatatg cccccatctt 360

ccgacaatac atctttagat ggttcttggg gcaagtagtc cccttatact tgtcaaagtc 420

tagcacct 428

<210> 3690
<211> 424
<212> DNA
<213> Glycine max

<400> 3690

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attcctaatt ttcaacttac ctatttggat gtgacatcat ggcagatagg tcccaacttt 120

ccatcgtgga ttcaatcaca aaacaaactt caatatattg gactgtctaa cacggggatt 180

ttagattcta ttcccacttg gttctgggaa ccacactctc aggttttgca tttaaacctc 240

tctcataatc atatccatgg tgagcttgtg actacattac acaatccaat atctatccca 300

actgttgatc taagcacaaa tcacttatgt ggtaaattac cctatcctct caatgatgtg 360

tatgagttag aactttcaaa caattcattc tctgaatcca tgcaagaaat tttattgtac 420

aatc 424

<210> 3691
<211> 344
<212> DNA
<213> Glycine max

<400> 3691

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ctaagctcac ctccttcaga tgagaagcta gaacttaact acacacccac tataatagct 120

aagctcaccc ccatgacaaa aaaacatgaa aatacaaaaa aaaaaagtcc ttactacaaa 180

gactactcaa aatgccccga aatacaaggc taaaacccta tactactaga atggccaaaa 240

tacaaggccc aaacgaagga aaaacctatt ctaatattta caaagataag cgggctcata 300

cttagcccat gggctcgaaa tctaccctaa ggctcatgag aacc 344

<210> 3692
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3692

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gttcctcttc ttacgctgaa tatcaagcac ttgcttccac aacttgtgaa ttacaatgtc 120

tctcttatct tctaagagat ctatggattc ccctttccaa gtcctccgta ctttactgtg 180

atatcatagc gctcttcaca ttgctaccaa tccagtcttt catgaacaca ccaaacactt 240

ggacattgat tgtcatctag tccgtgaaaa gtcccaagtt ggactcatgt tactactccc 300

agttccttct tcaaatcaac ttgcggatat attcacaaag gctcttcctt ctcaatcctt 360

cagcaccaat ctttccaagc tgcagttaca aaacattntt gcacctccag cttgtggcgg 420

gctaatagag aagacatata atcctacctt aaataccaca t 461

<210> 3693
<211> 416
<212> DNA
<213> Glycine max

<400> 3693

agcttgggca agatgaccaa tgcaccatgg atagtggccc taagccagag gatatgtgca 60

tgcccaccaa agtgtgcctc tttggcatgt aagagtaaag ttgtagacat gggcctggcc 120

cggtagaatt gggcactggg ttatgtatgc tggcccatca gcccaacttg ttctcaattg 180

tctaatccca tgcctgttca attttattta atttaaaagt gtgtaaataa ataaaaataa 240

cttgtgaata aaagcactca gtgcctacat ttgacagatg aggaagatgt gagagggtat 300

atgtgattta taacagttca aatcagtttc atatatagtt ggtaataact tgtagtccta 360

catactcttt ttcgtgtaag gatttaatct tttataattg aattactgtg aaatat 416

<210> 3694
<211> 418
<212> DNA
<213> Glycine max

<400> 3694

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gggcgtaatc tctcgaacta cgaagatgtt gtccatcgac tttctagtct taatgaaagc 120

agaatgagtt tccccaataa tagtctaaag cactgccgct atgcggttag ccagaatcat 180

atatacaatc ttgcataaca aattacagca cgatatgggt ctaagatgga taacctgaga 240

ggactggtca tgcttaagaa gaagcgcaag aatatcatgg ttgagctgct ctagaagttt 300

tccagcctct aagatatcat caccaatgag attcccaccc ttcttgagga ataaaacatt 360

gaaaccatcc ggcccaggag ctttattatt atccatcaca gacataacgt tcccaacc 418

<210> 3695
<211> 431
<212> DNA
<213> Glycine max

<400> 3695

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gccaacttta cattggatat ggcttgcact gaaacttggt gataagcatg taattttaca 120

taaaccaagt caccaatatg aaaactccta tcagatctgc ccttatctac aagttgcttc 180

attctgtcct gggtcctttt catgtggaat ttaagtaact ttaacatttc atcacgtttc 240

tgcaaactcc tattaaccaa agcaatcttc aattcactta tgagataagg taaatcaaca 300

agaggagctt ggccatacac aatctcatag ggacttgctt taatagtgct gtggtaagtg 360

gaattgtacc accattcagc atgaggcaac cacttggacc atgtgctgga gagtcactac 420

acatgcacct g 431

<210> 3696
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3696

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ggatatgcaa aaagcaatgc cctattgcat tatccactac tgaagtagaa tatatttcag 120

ctactagttg atgctctcaa ttattatgga tcaagaagca actagagagg actacaacat 180

ccatgagagt aacattctta tctattttga taaaaaaaaa aaagctacta tcagtctttc 240

taaaaatcct acattgcatt taagggaaaa catatagaaa ttaaatatta tgttataaga 300

aaccatgttc aaaatcaact ttgctatata ttta 334

<210> 3697
<211> 449
<212> DNA
<213> Glycine max

<400> 3697

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gagtaggctt gcaaacaagg ttccaatttg gataaaagtg taaaactact tattaattag 120

aattttatga atcattgttt ggaatattga agaaaaaaga caacctgaca accagctgcc 180

ctgaaggaac taaaatcatg gcattcaaca agaactctgc atgctctctg catggatatc 240

atcaataact tgaatagctg caagattgag aatctagtaa gtataaggag ctgttaacta 300

acttgcatag ctggaagact aagctcctca cgtacatgcc atgctcgatc tttctcgaag 360

gttgacaaac gctctggccc agaaagcaac cgatagaagt atctgaatag tagttccaaa 420

taactatcaa ttactgcaaa tggtcataa 449

<210> 3698
<211> 266
<212> DNA
<213> Glycine max

<400> 3698

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agaaatttaa atggtcatag cttttcactc agatgtccga ttcatgtgca taatatatcg 120

agacgctcaa aatctaacaa tggaagctct ggagcaattc aaatgggcgt aacttttcac 180

tcggagatcc gattcatgcg cataatatat cgagacgctt caatattcaa caacggaagc 240

tctcgagaaa ttcgaatggg cataac 266

<210> 3699
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3699

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ttcggtcact taggctacaa cggattgagg atactttntt ataagatggt aaatgggttg 120

ccttcaatca agatttcgaa gaagatatgc ataacatgtt taactggcca gcaacacaga 180

gactttatgc ctaagaaaag tttatggaga gcatcaaaca agctaccact tgtgcatgca 240

aacatatgca cgcctattaa accacaatca aacagcaaca agaggtacat cctaagttct 300

attgatgatc tcattcgtaa aacttgaatt tatttcttac atgaaaaatc ataagttttt 360

ctcatgttta gaaattctaa aactcgtgtt gaanaggaga ctgatgcata ta 412

<210> 3700
<211> 427
<212> DNA
<213> Glycine max

<400> 3700

gatccttaag tcacctgcag ctgcagctta gattttatac gggccttcct ctcttgcagg 60

ggttcacggt catcatggtc gttgtcgatc gtttctctaa ggctgcgcat ttcgctgctc 120

tccccacaca ccattctgcc tataaggtgg ccgtgttgtt tctcgacacc gcttgcaagt 180

tgcgcgggtt tccccgtagc ctattttcag accgagatcc catttttatc agccatttct 240

ggcgtgacct attcaaactt agtggcacca agctcagaat gagcaccgca taccacccgc 300

aaaccgacgg gcagacagag gtgctcaatc agacgctcga acagtactta cgcgccttcg 360

tccatcacca accttcacgg tggtttcgat tcttatccct ggccgaatgg tcttataaca 420

ccaccat 427

<210> 3701
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3701

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ttgccatata ngaaattgga aaggaggatt ggtgccatat cttgaagaat ttgagtcaag 120

aagcaagggg ccaaccacct taagagatat tggactaaga agcactccaa attgagtgaa 180

acactaaaga gagaatagcc accacaattg aggacttttt tctttgtaat tntgtaattg 240

gcaatttgct ttgctttcaa attttgtaac aaaaggcctt tcattggaag taagttggga 300

gcctccgcta cgtcacccta cttccatttg tgtgtaataa ttctaggcaa ttctcccttа 360

ggatagtgag tgttttgttg ggaaccttaa atgaggtcat ccaaacactc ct 412

<210> 3702
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3702

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gatatcttaa gaaggggggg ttgaattaag atattccaaa ctacttcccc aattaaaaat 120

ctatttcact ttttattcaa gttataaatt cccttaataa tgaacttctt agatgttgat 180

tcaaataaaa caatttgaat atgaatataa agcaataata aacaaaggag attaagggaa 240

gagaaagtgc aaactcacat ttatactggt tcggccacac ccttgtgcct acgtncaatc 300

cccaagcaac ccgcttgaga gttccactat cttgtaaatt ccttttacaa gttctaaaca 360

cac 363

<210> 3703
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3703

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aagttatctt ttccattatt gaatacaaaa catttacaaa caaagatatg aagatgtgag 120

atgtttggtt ttctgcgagt gaacaattaa tatggagttc tctttaaaat gggtcttatt 180

aaagccctat ttaaaatgta gcatgcagtg ttaaccgctt cagcccaaaa gtattttgga 240

agaggagtat catttaataa agttctagca atctcttcca atgatctatc tttcctttca 300

acaacaccat tttgttgagg ggctcttggt gcagaaaagt tatgcttaat cccatgctta 360

tcacacaata attcacattc tctattttca aactcacccc catgatcact cctaatagat 420

ataatcttga gaatnttctt attttgaatg attnttgcaa gtttctaa 468

<210> 3704
<211> 380
<212> DNA
<213> Glycine max

<400> 3704

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gagtggtgaa tttgacattg aatgtctggt gaaacaggat ccttttagcc cgtaacagaa 120

cagtgaaagt tgcagtttgg atttgtactt tcaactaata aatgtcgagg ggatctgatg 180

gatcacaaaa aaagcgttta gttgctgcga tctgtgttgt ggcaattttt cttggctttc 240

tgtatgtgta tggcggatcc atctttggtt ctcagaatag tggttcatct gctcttgaat 300

atggcagatc attgaaaaga cttggctcgt catatttggg tgcagaggat gacactgatg 360

gcaagcaaga tgaatcttca 380

<210> 3705
<211> 420
<212> DNA
<213> Glycine max

<400> 3705

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taaaaagtta ttgtcgctag aatttgatac gagcttccat tttcaatttg gagcgtctct 120

cgataaattg caacactctg tcgggcatcc gagaaaaaag ttatcgtcgt ttgatatttt 180

aaagagtttc cattttcaat ttgaagcttc tcgatatatt acgggactca accagacatc 240

cgtgtataaa gttattgtca tttcaatttg ctcagagctt ctagtctcaa ttttgagcgt 300

ctcaatatat tacccgatac aatcggacat gcgagaaaaa agttattgtc gtttgaattt 360

cctacgagct tccgttttca atttggagtg tctcgatata ttacgggact caactggaca 420

<210> 3706
<211> 303
<212> DNA
<213> Glycine max

<400> 3706

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ccattcgaat ttctcgagag cttccgctgc tcaatactga gcgtctagat gagttatgtc 120

cccggatctg acattcgtgc gaaaagttac gaccattcga atttctcgag agctttcgct 180

gctcaatttc cagcgtcttg atatattatg tcctccaatc gtacattctt ctcaaaagtt 240

atgaccattc taatttctcg agagcttctg ttgttcaatt tccagcgtct tgatctatta 300

tgt 303

<210> 3707
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3707

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taaaaagtta ttgtcgtatg aattggctta aagcataaac attcaacttt gagcctctcg 120

atatattacg ggactcaatc agacatccga gtaaaaaatt attgtcgttt gaatttgctc 180

agaggttcaa aattcaattt cgagcgtctc gatatattnc gggactcaat cagacatccg 240

agtataaaag tattggtctt tg 262

<210> 3708
<211> 406
<212> DNA
<213> Glycine max

<400> 3708

tcgattacac acatactata gtcgattacc aaaggagtct tttagaatac attctcaaca 60

gtcacatctt tttatttcgc ttttaaatgg ccatcacagg cttgcctata tgtgacttga 120

gacaccaatt ttgatcagag ttctgaagaa caaaaaggtc ttatcctctt aacaagcaaa 180

actgttttat cctcttaaaa attccttggc caaaacactt gtgattcaat aacgaattat 240

ttgagtgctc aaattgttca atctatctct ttcaagagag atttttttctt ctcttcttta 300

ttctgaaaag ggattaagag accgacggtc tcttgtcgga aagaatctaa acacaaagga 360

acgattgtcc ttgtgtgttt ataacttgta aaacgaatgt acaaga 406

<210> 3709
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3709

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aatcacaaat tacaaaatcc ccttccattc tctctctaaa accatcatgt cctccactgc 120

gcctcctgtc ctccccatct ccaaccccca aaccactgca agaaccacca gtgcaggcgg 180

cggcgccatc aaggctccgg cgaacaacct gaccttctgt gccttcatca acaacctttc 240

cacctccctc caccacggcc tcgaccaatg tcgcccctgg tcggagctcg cagaccgctc 300

cacgttctcg aaacccgagt cctccaaagc caccttcgt gtccgcaaaa acttctccta 360

ctttcacacc aactactanc gtgtcgttca ctcatcctcg cagtctcttc tctactgnga 420

atgtatg 427

<210> 3710
<211> 392
<212> DNA
<213> Glycine max

<400> 3710

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aggtttaacc tcctataaga gtatggagtc agcaacacca cttttaacat ttctaattta 120

atttcttttg caggtggagc tgatattgag gaggatgaac caatagattt gaggtaaaat 180

cgtcttcaag ggggagggga tgatacaata ctccctagga aggaactatt caccaaagcc 240

atgagcaaga gactccaaga ggattgggct agagttgctg aagaaggccc tatgattctc 300

atgaacccca gggtagaatt ttgagccaat gggccaaggt tgggtccact tatatttgta 360

catattagat ttggatttca ttatttttgg gc 392

<210> 3711
<211> 344
<212> DNA
<213> Glycine max

<400> 3711

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cttatatcga tttattacgc tacaaaaaga ttatttacta acattaaagg tttgtctttt 120

ggtaaattta cattgacata gacttttact agtggaaatt aaaattaaat tgttagtata 180

actattgtta gtagtctttt aagagaaata ttgttagtaa gtctacatta atattaagtg 240

tccttataaa catatatttt actctcttac atacaactat ctatttttt ctacctctct 300

atatttttct atatattaca tactatatct attattcttt tctc 344

<210> 3712
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3712

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gatggggaat gcctctaaca gcacctttgt caatgatttt cttcatgcct cttaagtgca 120

gatgtccaaa tctttgatgc catatattga cttcatcttc tttggagact agacatgtgg 180

aggagtaact ggtttcttga ggtgtccata ngtaacagtt gtcctttgat ctgctgccct 240

tcattaggac ttcactcttc tcatttgtca ccaagcattc tgactttgtg aagtttacat 300

tgagtccttc atcacacaac tgactgatgc tgatcaagtt cgcagtcagt cccttcacca 360

gcagtacttt gttcagacta ggaagtcctt catggactag ctttcccatt ccagtgatcc 420

tttcttt 427

<210> 3713
<211> 418
<212> DNA
<213> Glycine max

<400> 3713

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cgttctattt tcccagttca atcaaccccc tctcactcac atgtcctaac cttctgtgcc 120

atagttcagt ctttgacaac cttttgacag aaactgcaac agctgatcca atcatcactt 180

ctccaatcag agaatacaag ccattctttt gcatcccttt catgaatatt atggagcact 240

ttagaacctt tagaactcca ttctcctctt tgaacacata gccttgtttg tcaaactcac 300

tcagagaaat caaatttctc ttcaaatctg ggataagcct tacattcttg atgactctct 360

tagcaccatc atgaagcttg aaccttacag acccaattct agtgatctta caagactt 418

<210> 3714
<211> 326
<212> DNA
<213> Glycine max

<400> 3714

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gacctcctca acctcagcag cataatcaat cacagctgaa caattatgac ctctccagct 180

acagatacaa tccctggatg gaggaatcac cctaatctca gatggtctaa ccctcaacaa 240

caacaacagc agcctgctcc ttccttcaga atgatgctgg cccaagcaga ccataccatc 300

ctccaccaat tcaacaactg caacag 326

<210> 3715
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3715

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tttgtcccca aggcttcatg tagacttgtc caaaatcgcg aagtgaacct tggatccctg 120

tcagatacaa tactagaagg aattccatgc aaccttacta cttccttgat atacaactcc 180

actagctntt ccattctata cctcatattc actgcgataa aatgagcaga attggtgagt 240

cgatctacta tgacccacac ggcatcatgc ncacgactag tctngggtaa actagataca 300

aaatccatag atatgctctc ccatttccat tccggaatct ccaat 345

<210> 3716
<211> 439
<212> DNA
<213> Glycine max

<400> 3716

agcttatcac catttgcacc tttctcatca actaatttgt cactgagagg tgacagagac 60

ttgaataatc caagtaacta agcaagtgtg tcgtaatctc cagaaccagt tcctccatca 120

tggacgatcc cattcatcaa caccaccagc cctggagtgg gactgggccc aagcatttta 180

gtgcggccgc cgttgaggta gggcacgacg gcggcaccag aattggaggt gcaatcgcag 240

tggtgaaggg agaaaaagga tcttatgaaa gagaaaagtg tgaaaaggaa acaaagctta 300

tggtttcgag agagagaaag agggtactga gaagtgagct tgcgagggtc ttatgtaaaa 360

acctgaacat cggtttgttg tttgagcttt cacaacatcg atttttaaaa aaccaatgtt 420

aaaatcattt tgttaacat 439

<210> 3717
<211> 301
<212> DNA
<213> Glycine max

<400> 3717

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ttaaagatgg aacgtaccaa acttaaattt agtttggctt accaccctaa agctgatggc 120

caaactcagg gtggcaatag atgcatagac atttatttgc aatgtttaaa agttcacagc 180

gtaagcaatg gccaactgtc tcaggtgggc tgagtattgg tataacacca ataatcatgg 240

caccactgca tgtacctggc ttctttttac cttaatttat aatacagacg attcattctt 300

t 301

<210> 3718
<211> 436
<212> DNA
<213> Glycine max

<400> 3718

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agctgcattt cagtgctgca atacctcaaa tccagctgct tcttgctcac cttttccctc 120

agaaaatgaa atctagtctc aatatgtttt gatcttccat gtgctactgg attcatggcc 180

aaactgatag tagatttgtt gtctacatac aatctaactg gcctctgaat ttccaccttc 240

aattcttcaa gcaaggagtc caaccacaag gcttgacatg cagcatagca agctgctatg 300

tactctgcct cacatgagga taaagccacc acttgctgtt tcttggaaca ccagcttatt 360

gatgtaccca gaaacttgaa aagatagcct gtagcgcttt tcctttccac cttgtctccg 420

caccaatcag aatctg 436

<210> 3719
<211> 434
<212> DNA
<213> Glycine max

<400> 3719

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atcagctgat tttggactga gttattcaag atggaaggta ccaaactcaa atttagtttg 120

gcttaccacc ctcaagctga tggccaaact aaggttgtca atagatgcat agagatgtat 180

ttgcaatgtt taacaagttc aaagcgtaag caatggccaa ctgtctcagt tgggctgagt 240

attggtataa caccaataat catggcacca ctgcatgtac ctggcttctt tttcccttaa 300

tttataatac agacgattca ttcttttcca ttctttttc ccctttcat tctatacgtt 360

cttgagtaat ttggttacag atctaaccca gtctagaaag gggtgggtcc taacatcctt 420

ctatactatt taga 434

<210> 3720
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3720

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atgagatatg ctactgtgtt tattgctctt gctcagaatg ctctatgcaa gccaaattgg 120

atccgcatac accttactct ctcgttcaag gttctattca tcctttctgt aacaccgctt 180

tgctcacgtg ttcctggtat tgacttgatc attctgatcc catgttcttg acagaagtct 240

ttaaactcct gactatcata ctccccgcca ttgtcagatt tcagactntt aacctttaga 300

cctgtctgat tntcaacttc tggttntcac cttgtaaaca cagaagacac atcagaatta 360

ttgttaagac acataacaca tacctctctg gtagagtcat tgataaaggt gacataatag 420

tgtgagtttc caacagattt cactggggtt gggaccaaac atctgtgtgc acc 473

<210> 3721
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3721

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ttgctgcttt tcttccagta gcggaaggtt tggctgttat tgtatacaaa gagagttttc 180

atgcacagaa aggggttgct ttggtgctct ctctttgggg gtttgtatcc taattctatg 240

gagagataaa acaagacaag aaaaagaaca agagtcgttg tcaagaaaca gagctgcctc 300

aaagtcttcc tcccaatgca tgattgcaag taaagtttat ttcactatct tggcttgtgt 360

tgaattgtca atattgaagg ctagctttgg ccccagatag aggaaaacca cataaaggca 420

aagtcatttc tcaccct 437

<210> 3722
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3722

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ttcttagcag tcacatcttt tcattnggtt cttgaatggc catcaaaggc ctatatatat 120

gtgacttgag acacgaatnt gctaagagtt ttcagaacaa aatggtctta tcctcttaaa 180

aggcaaaatc gttttatcct cttacaaatt ccttggccaa aacacttgtg attcaataag 240

gaattatttg agtgctcaaa ttgttcaatc tatctctttc aagagagatt tcttcttctc 300

ttcttcttta ttctgaaaag ggattaagag accgagggtc tcttgttgta aagaaatctg 360

aacacaaagg aagggttgtc cttgtgtgat tcagatcttg taataggctt ttacaagata 420

gtggaactct caagcag 437

<210> 3723
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3723

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tctcatgcaa cgactatgag gaggaccaaa aggtgaagct tgctgccacg gagtttttcg 120

actatgctct tgtgtggtgg aacaagctac aaaaggagag agcaagaaat gaagagccaa 180

tggttgatac atggacagag atgaaaaaga tcatgatgaa gcggtatgtg ccggctagtt 240

actcaaggga cttgaaattc aagctccaaa aactaaccca aggcaacaag ggggttgagg 300

agtattttaa ggaaatggat gtgctcatga ttcaagcaaa gattgaagaa gatgaggagg 360

taactatggc tcgatttctt aatcggttga ctaatgatat ccgcgatatt gctgagctg 419

<210> 3724
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3724

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tgagctagat gagatatgtt tagaagccta tgagaattcc aaattctaca aggagaagac 120

caagaagtgc catgacagct tgatagctaa gaaggacttc atggctggac agaaattatt 180

attgtataac tctacgctcg gactcatgac tggtaagtcg aggtcaaagt ggattggtcc 240

ttttgcggtg actaaagttt ttccttatgg tacaattgag atcaanagtg aatccacata 300

taagagcttc aaggtcaatg gacaccggct gaaaccattc ctcacacatc cctccttggt 360

ggatgtagt 369

<210> 3725
<211> 438

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3725

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aaaatgaaag atatcaataa ttgtatgcta tatcataccg tttaattttt ttttatgtac 120

aaatgattaa aaaatgattt ttttagaata ggttttgaaa agatatttga ttcgatatcg 180

ttagtttgtt atgttattga ttttaaattt aatttaaatc tttattatct ttggaattag 240

gggtgcacca aaaagaaaaa attaaagaag aatacaaaaa acaatctttt taaagaagat 300

aattaggggt gtattagatt aagatttcaa aagatttttt taaaaaaata ttgtggtatt 360

caattaaaaa ttgtaaataa tataaataag ttgtatgata tttaattaaa gtttttaaga 420

ttttgtatag aagacaac 438

<210> 3726
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3726

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acagttttag gtttgtgact tttctgtttc atganagtag acatacaaaa gggcataatg 120

atatttttt tggagtctta tttaccttgt tcttgtctgg ccaaagtttc atttacaatg 180

aagagaacag tattcttttc aatagttctt caacagaaga tttcagcagc aatgataatt 240

ccaaatctct ttacaggttg gttctcagag cacaacaatg aagatgactc gtgttcctat 300

tcatggagga ctatcttgga aagcgtttaa tgaagaaaca accactactg atgatagttc 360

gttcactgtg actggcttgt tggagcagat aaatgcaacc agagatttat ctgattactt 420

<210> 3727
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3727

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gcatcacttc ttgcactgaa ttgttgggag ttggaagcca tcttcttaat cagattccta 120

gcctcaacat gagtcatatc accaagagct ccaccattgg cagcatcaat catactcctc 180

tccatgttgc taagtccctc atagaaatat ngtaggagga gttgctcaga aatctggtgg 240

taaggacaac ttgcacacaa tttcttgaat ctttcccagt actcatacaa gctctctcca 300

ctaagttgcc tgatgcctga aatgtctttt ctgatggcag tggtcctaga tgtacggaag 360

aatttctcca agaacactct cttaatgtca tcccagctgg taatggacct aggagcaatg 420

tagtacaacc aat 433

<210> 3728
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3728

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ccaacttcct tcttgaacaa aagtttaagg aaaagttgat aaaacacttt tcattaaaaa 120

gtcctctcat aacattttac ttgtgctagt ttatgtggat gacatcattt ttggttctac 180

taacaaatct ctgtgaagat tttgtgcaca agatgcaagg ngagtttgaa atgtcaatga 240

taggggagtt aaattacttt gttggtttcc aagtgaagaa aatggaccat ggaacatttc 300

ttcgtcaaac aaactgcaag aaacttctca aaaagtttga gatggataaa agcaaggatt 360

ctgcaactcc tatggctact aattactacc ttagtgcaga tgaaaaggga aagacaattg 420

atcttagttc cttactttac 440

<210> 3729
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3729

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cgctgaagtt gttggaagag acataaaaat gactaaactg ngaaatccat gcttggtctt 120

taaactggca atgggaccgt acaactttgt ggctcgcaaa accaatactt tcagttcttg 180

tagagtttga agccaatggg gaaagacatc ctttattnga ttggttccaa gatctaatac 240

cttcagacta gtgcaattgg acaaagattc tggcaaaaaa ccttctaatt ggttgccatt 300

gagatccaga gtactgagcc gacagntatt tgcanaggta cttggcanag tgccatgaag 360

ctcgatcagt tgtagatcca aaacttcaag ggatgatgag ttagcacggc atcgtggaat 420

gattccagtc aacttgttgt gagacaagtt gagaacatta attgaacttg catt 474

<210> 3730
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3730

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cacagtggcc aaagaagcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120

gaagatgtcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180

agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240

gggagagaga atgacagatg aaaagctggt gagaaagatc ctcaaatcct tgcctaagag 300

atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360

tgaactcatt ggttcccttc aaacctttga gctaggactc tcggataggg ctgacaagaa 420

gagcaagaac 430

<210> 3731
<211> 427
<212> DNA
<213> Glycine max

<400> 3731

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ctggaaggcc tctcattttg tacatgacaa tcttggacga gtcaatgggg tgtatgctgg 120

ggcaacatga cgaatccggg aagaaagagc gcgctgttta ctacctaagt aagaagttca 180

cgacctgtga gatgaattac tccttgctcg aaagaacgtg ttgtgcttta gtatgggcat 240

cccatcgcct aaggcagtac atgctgagcc atactacctg gttgatatcc aaaatggacc 300

cggttaagta catctttgaa aagccagctc tcacgggacg aatcgcccgg tggcaagtcc 360

tgctatccga gtttgatata gtctacgtca cccacaaggc gataaaagga agcgccttag 420

cagatta 427

<210> 3732
<211> 438
<212> DNA
<213> Glycine max

<400> 3732

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tcaccattga catttagtaa ctttacagaa tcccaggctg agtgtttggt gcagaggact 120

cctagcaagg ggttccatgt tgagaagagg cagtcttccc ttgttctttg ctggcaaagg 180

aaggatctca tctcagtttc aacttggaga tgctaagcag agccattctg caccttttgaa 240

cgaccaatta attctatatt cgaaggtgct acataactta ccgcttctat tgatctttct 300

tgcttgaatt tgccttggct atggttctat gctaattgtc tgtgtttagg aattattatt 360

ctcatgtaag gaagtgaaca tattaattag caatggcaac ttatgagccc tgatatgaag 420

tgtattatta taaacatg 438

<210> 3733
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3733

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ttcatgaagg atttgcttac aaacaataga ataattatgg atgatgaaac attggagcta 120

gaggcaggtt gtagtgcaat tattcataaa tccattctat agaaatctcg agatcctagt 180

agtttcacaa ttcctgtgac tattagaaga ttattaatag gaaaggcagt tctttattta 240

ggtgcaagta tcaacctaat gcccttgtcc atgatcaagc ggataggaga agtagacatt 300

agaccaacaa ggatgacttt gcagtttgct aacagaacta tcaagcatcc ttatggcatt 360

attgaagatg tattggtaaa agttgacaaa tttctctttc tagtcaactt tatggtgatg 420

gatatgaaga c 431

<210> 3734
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3734

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gtgtccagca tcttgggatg ttcccagcct ttgatgacag ctttccaggt tctgctatcc 120

agtgatttga gaaaggccac catccttgct ttccagtatt catagttggt cccatcccag 180

aatggtggtc tgttcactgg tccgccttct ttctccatgt tcatcagaat ntatctccct 240

agatctcact cagtgatttc gagtgcctgc tctgatacca attgaaattc tgatactgng 300

gacagatgtc gtacaggatg tcacgacatc acgcttcaga acatgcagat ngtctttgac 360

tgtatgaaca cgatanacaa gtaaataaca caagagaatt gtaacccagt t 411

<210> 3735
<211> 441
<212> DNA
<213> Glycine max

<400> 3735

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ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaggagga 180

tggcctgttt gcctcagcgc agccccaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt ataggggcat tagttagctt ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catttgaaac cagcattttt cttgagcact 360

tcattgagag gtgctgccaa tgtgctaaca ctcttcacaa atcgtctata aaaacttgct 420

aagccatgaa aactcctcac c 441

<210> 3736
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3736

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ctggagttgc tgcacatgat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120

gcacaaggca agataaagtg tcaaatgaag aattgaagct gcaggattca cgatgtcgga 180

tacaatgtcc aggacatcct gcctgaaaat actggaattg ctaaaagcat tgaagctgca 240

agatccacga tgtcggatac aatgtccagg acatcctgcc cgaaaatact ggagttgcta 300

aaagcattga agttgcagga tccacgatgt ctgatacgat gtccaggaca tcttgcccga 360

acatactgga catataaatc tgttatatct ttaacagatt attgtgcagt tagcaagaga 420

ttagatgatc 430

<210> 3737
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3737

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caaaccacac acaacctttt gataggtgta tactatacag cccgtgcgtt aaacgtgatg 180

cacgtctatt ccggtatagt gaacgctcta gaaatttgtg cccaacatct catatgaagc 240

ggnccccact tccacattca catangtgag tctatcaaga gtactcctgt agcctacgta 300

ttacactcaa cataaagtat agatctcatg aagaattaag aattgttctc ataactgata 360

ctcaggttac ttcaggaatc atgctacttt cacgtataac agcatgtgca tctcatatca 420

ct 422

<210> 3738
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3738

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atagattacc ttctcaatct gtccagaatc ccaaaaatgt gagtgccatt acattgaggt 120

caggaaagta gtgtcaagga ccttaacctg tagcatcttc atcatctgcc aatgaacctg 180

cccaacctca ctctactcca gaaaaagatg atgacaaaaa tttaaagagt aagttaccta 240

acaatntcta tgcaggtgaa tctaaagaga agcaacatat ccctcttcca ttccctccaa 300

gagaaatttc caacanataa atggaagagg caaagaagga gatcttggaa acatttagaa 360

aagtagaggt aaacatacct ctgctggatg caatatagaa aattccaaga tatgctaaat 420

tcttgaagga gttgtgccta ataagcgga 449

<210> 3739
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3739

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gagtcttagg aagagtatat taaataggaa gggaattcct aattgaagta gcaaaaggtt 120

tgaccaagaa atttaagtta aaaagtcttt ctcaagagat ttactctctg ataatcgatt 180

accagtggcc aaaaatgatt tacaacaact attaaaattt gaattcaaaa tttgcactgt 240

gtaatcgatt acacatatat ggtaatcgat taccagcagt tattgaacgt tctaattcaa 300

attttaaagc ttgtaatcga ttacacacat actgtaatcg attaccagag gagattctca 360

cgacatattc ttaacagtca catcttttca ttcggttctt acatggctat cacaggccta 420

tatatatgtg acttgagaca 440

<210> 3740
<211> 435
<212> DNA
<213> Glycine max

<400> 3740

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ggccaacaaa attaagttaa aaagtctttt acaagaaatt tactctctgg taatcggtgg 180

taatcgatta ccagtggcca aaactgattt acaacagcta ttaaaattcg aattcaaaat 240

ttgccctgtg taatcgatta cacatatatg gtaatcgatt accaacagtt tctgaacgtt 300

ttaattcaaa ttttaaagct tgtaatcgat tacacatata ctgtaatcga ttaccagagc 360

agattttcag aaaatattct caacagtcac atctttctat gtggttcttg aatggctatc 420

aaaggcctat atata 435

<210> 3741
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3741

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tacgggactc aatcaaacat ccgaataaaa aagttattgg cgtttgaata tgctcagagt 120

ntctgctttc aatctcaagt gtcttgatat attatgggac tcaatcggac attcgaataa 180

aaatctcttg tcatctgaat atgctcagag cttctattct taatctcgat tgtgtcgata 240

tattacgaga cccaatcgaa catccaaatg aaaagttata gtcgtttgaa tttgctcaga 300

agctttgttt tcaatttcga gtagctcgat atattatacg tatcaatcgg acatccaagt 360

agaaaagtat tatgcgttga acttgcttag agcatatact tttcaatttc gagtgtctta 420

gaatattaac ggactc 436

<210> 3742
<211> 407
<212> DNA
<213> Glycine max

<400> 3742

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aatctgtacc tgtcgcaagg gtttgtggtt tgagctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctgtagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240

ttctcagcaa cagacacaac cctggatgga ggaatcaccc taacctcaga tgttccagcc 300

ctcagcaaca acaacagcag actgctcctt ccttacaaaa tgctgttggc ccaagcagac 360

catacattcc ttcaccaatc caacaacagc aacaacccca gaaacaa 407

<210> 3743
<211> 432
<212> DNA
<213> Glycine max

<400> 3743

agcttatgct gcaaacatct acaacagacc tcctcatcct cagctgcaaa atcagccaca 60

acagaataat tataacctct ccagaaatag gtacaattcc gaatggagga atcatcccaa 120

ccttagatgg tcgaatcctt cacaacaaca gcagcaacaa caacaacctt attttcaaaa 180

tgatgctggc ccaagcagac catacgttcc tccaccaatc caacagcaac aacaacaaca 240

gccccagaaa caacaaacag ttgaggcccc tccgcaacct ctccttgaag aacttgtgag 300

gcaaatgact atgcaaaaca tgcagtttca acaagagacc agagcctcca ttcagagctt 360

aactaatcaa atgggacagt tggctacaca gttaaatcaa caatagtccc agaattctga 420

tggattacct tc 432

<210> 3744
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3744

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ctgacaatag ggaggtcaca catggaaacc ttagtctcta cttctaggtt agacaagatc 180

atgtacactt gagaatcttc ttttaaagat gtcaacactt ggttggtaga gataaacatt 240

tcatccttac tcattctaga atcatcaaac atgacagttt tatcaaaaca gtttaacaag 300

acatggttgg aagataacca gtccataccc aanataacat caatttggct cacaggcaaa 360

gaaatcaaat caattaagaa tgttctacca aaaatttcac acgacaactc acacatacat 420

taaaaagaat aagatgatnt catatctatc ttaagcccct actt 464

<210> 3745
<211> 387
<212> DNA
<213> Glycine max

<400> 3745

tccttaagaa gattcctaaa gaagctagag cttagctaca catacctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagagc ttagctacac acccccctata atagctaagc 120

tcacccccat gacaaaaaac atgaaaataa taaaaaaaaa gtccttatta caaagacaac 180

tcaaaatgcc ccgaaataca aggctaaaac cctatactac tagaatggcc aaaatacaag 240

gcctagacga aggaaaaacc tattctaata tttacaaaga taagcgggct catacttagc 300

ccatgggctc gaaatctacc ctaaggctca tgagaaccct agggcctttc cttggatctc 360

tagcccaatc tacttggagt cttctag 387

<210> 3746
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3746

atggacctct caagtgcttg anagaatcaa tgacaatgct tactaagatg agctgcccgg 60

tgagtatcat gttagttcca ccttccatgt ctctgattta tctctttatg atacagatgg 120

agaatccgat ttgaggacaa atacttctca agatggagag aatgatgagg acatgaccaa 180

cagcaatggc gaggatccac ttgaaggact tggaggacct atgacaaggg ctagagcaag 240

gaaagccaag gaagctcttc aacaagtgct gtccatacta tttgaataca agcccaagtt 300

tcaaggagaa aagtccaagg ttgtgagttg tatcatggcc cacatggagg actaaatgac 360

accactttat ttcaatgtta gagtgtntag tttgtctaaa taat 404

<210> 3747
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3747

gctatncaaa tactcaaatg gtcataactn atcatatctg ttgtccgatt gtggcgcgga 60

gtatatcgag acgctcgaaa ccacacaccg aatactctcg agaaattcaa atggtcttaa 120

cttttcaaat agaagtccga ttcacacgca taatatatcg agaagcttga aattgaacaa 180

cggaagctct ccagaaactc aaatggtcat aaattgtcac accgaagtac tattcaagcg 240

cataatacat cgagacgctg gaaattgaac aacgaatgct ctcgagaaat gcaaatgatc 300

ataacttttc atacagaagt gcgattctgg cgcataatat atcgagaa 348

<210> 3748
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3748

ntgccacana cacacttctg ggtctgtttc ttcctcgttn tttatcacaa gattgccact 60

gtccaaaagc actactacag gattctgtgc ttgtttgtga gagttgttgg tgtaccagac 120

aagatacgca ttttgggtga gaacaagatt gcctgtgttg ttgagtgtta tgatacccga 180

ggaatcattg atggggttgg ccttattagc aacccaaaca actgtctgga ttgggatgtt 240

cttgtaccaa atacccacat aacgtttatg ggaataacct ggtgatgtgc catcattttc 300

ttctattttc taaacccttt ttgcaccatt ntaatta 337

<210> 3749
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3749

agcttacatt ggtgtattga natctaacgc tgatgaacga catctattaa tcaaatatgc 60

tgatgagttg cagcttctca caaacagtct ttggcagtcc tgcacttaga agcatgcacc 120

tcactcttta cacaatggtt ctattcatac tttctgccaa accatactgc tgtggagtgt 180

gacggactgt gttgcgcctt ttgatgccta ttttactgcg acactcattg aactgctctg 240

acacacactc tatgccattg ccaggtctta caacttgaaa tgctgatacc aatgacagat 300

gtcccaccgg atgtcacgac atcacgcttg agaacatgca gatgatgtnt gatccgatga 360

acagattaaa ca 372

<210> 3750
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3750

cttatagaac atatcataaa agaactatga ctattgaaga atctattcat gtttcctttg 60

atgagtctaa tgctatttct ccaagaaagg atattttaga tgatgttgca gaatctttag 120

aacaaatgca tattcatgga caagattcta aaggaaaagg gaaaggaagc aatgaagatt 180

ctccagaaga agccaaatca aatgatgaac tntcaaaata atggaaagct tcaaaagatc 240

accctctaga caacattatt ggtgatatct gagaaggggt aacaactaga cattctctta 300

aagatttatg caataatatg gctnttgtgt ctatcggtga acctaanaat ataaatgaag 360

ccataataga tgatcattgg atagttgcta tgcaagaaga actaaatcag tttgaaagaa 420

acaatgtgtg ggaactagta gagaaacttt gaaactaccc ca 462

<210> 3751
<211> 431
<212> DNA
<213> Glycine max

<400> 3751

catcagttgt tggatgaaat gatttctaga ggagttaaac cagactcttg gagttataat 60

gcaatacaag cttaccattg tgatcattgt gaggtcaata aagccctgag gttaatgttt 120

agaatggaaa aagatatctg tcttcctgat cgccatacat ataacatggt gctcaaattg 180

ctgattagga taggaaggtt tgataaggta actgaagttt gggagaacat ggtggacaaa 240

aagttttatc cttctgtctc aacatattct gtcatgatcc atggtttttg taagaagaag 300

ggaaagctag aggaggcatg taagtatttt gaaatgatga ttgatgaacg aataccacca 360

tatgttacta ctgttgagat gctgaggaat cggcttttgg gtttacggtt tatagatcac 420

attgaaatac t 431

<210> 3752
<211> 417
<212> DNA

<213> Glycine max

<400> 3752

agctcgcgcc tactttgtta ctgagcaaca tgccatggct attcactcac aagtaattaa 60

aagagggttt caggaagata ctgttctttg taatgccttg atgcatgctt atgcgaggtg 120

tggctcctta gctttgtcgg aacaagtatt caatgaaatg ggctgccatg atatggtttc 180

ttggaattca atgctcaagt cttatgccat acatggtcaa gctaaagatg cactggagct 240

cttccacaaa tgaatgtctg tcctgattct gcaacctttg tcgcgcttct ctcagcttgc 300

agtcatgttg gacttgttga cgaacgagtg aaattgttta actctatgtc tgatgatcat 360

ggtgtctgtt ctcaactaga tcactacttc tgcatggttg acctttatgg acgagct 417

<210> 3753
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3753

gtcacctgcg gcatgcaagc tttctccact aagtttcctg atgcctgaaa tgtcttttct 60

gatggcagtg gtcctatatg cagggaagaa tttctccaag aacactctct taaggtcatc 120

ccagctgaaa atagatctgg gagcaaggta gtatagccaa tcttttgcca ctccttccag 180

agaatgagga aaagccttta gaaagatatg atcttcttgg acatcagagg gctctatggt 240

ggaacaaaca atatggaact ccttaagatg tttatgagga tcttcacctg caagaccatg 300

aaacttgggt agcaaatgta ttactccagt cttgagaaca tatggataaa taggacaaaa 360

taagacaata atacttaaaa aacaaaaaan actt 394

<210> 3754
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3754

agctctgtcc gcananatca ctcacaacca ttctaatgtc caatgcctta aacagtcttc 60

tttgctttta tcggttaaca tggaccgttc aaaaccataa aatcaacatg taactttacc 120

actttttgcaa gaactacgta ggtctgaatt cctcatcgca attgaggata cgtaggagca 180

aaagccccac ttttgttgac catcccaaga gatcgttaat ggtccaatgc cttaacgttt 240

ctctcctttc aaaaacaaga gatcgttaat ggtccaatgc cttaacgttt ctctcctttc 300

aaaatcaaaa gatcgtttaa tggtccaaac gccttagatg acctttgttc ggttaaaatt 360

gatcttgtgg aanaagatca caacaactta accaacgttt agttctgaaa gaactacata 420

ngtctgattt cctcatcgc 439

<210> 3755
<211> 430
<212> DNA
<213> Glycine max

<400> 3755

agcttgtcca tccacgatgt ctccaataga aaggtccacc cctaaccatt tgctcacacg 60

aacatgaaat tggacatcac cataatcaaa tccatgtgtc ccacactcaa agataagctt 120

acaaaataat tataattaaa acaatttaag aaacatcaat taactatgac ataaactcta 180

tcatctttag atcatggtat ttgaaagtaa ataaaaccaa taacatccag ctcacataag 240

ccaaacatct catattcaac tatcatgaaa caattcaaga atcaacatca tgcatcaact 300

atcaagcatt atcaacatga gttcatcaat catcatcaac atgaacacca aacatcaaca 360

ccaacgacag actctacttc atggatattt acaccacatg aagggaataa ccaagtacat 420

tccttaacat 430

<210> 3756
<211> 432
<212> DNA
<213> Glycine max

<400> 3756

cgtaatcgat tacacatata ctgtaattga ttaccagagc agattttcag aaaatattct 60

caacagtcac atctttttat gtggttcttg aatggctatc ataggcctat atatatgtga 120

cttgagacac gaatttgcta agagtttttc agaacaaaaa ggtcttattc tcttataaag 180

caaaatcgtt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240

ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc 300

ttcttcattc taaaaaggga ttaagagacc gagggtctct tgttgtgaaa gaattctaaa 360

cacaaaggaa gggttgtcct tgtgtgttta gaacttgtaa aaggaattta caagatagtg 420

gaactctcaa gc 432

<210> 3757
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3757

cggctatgac tatatacata cacccaatgc gagatatatg cctattatca tttacagatt 60

gacgatgact tgttttanga ataaggatca tgaaggaagc attgctgcct ataggaaacc 120

ttccatcaaa gtcgagttca tccacaatat ctctttgatt cacgtttcaa aacccttcaa 180

caagccttaa taaaattgaa attaaatcca tcgggtgtcg ggcatttgcc tccaccacaa 240

ttccaaacag cctctctaat ctcttggtca gaaatagagg aagtgatccc ctctgttnga 300

ttcaactatc tcagatttat tagagggtgc actataacga tcagcaccaa tctgtacttc 360

tttctcgtct accagctcaa tatc 384

<210> 3758
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3758

taacanaagg catgcgaagt gggtggaatt cctagagcaa ttcccttatg tttatcaaat 60

ataaaaaggc aaaaggtaat atagtagccg atgctctttc tcggcgtcat gcattacttt 120

ctatgcttga aacaaaattg gttggtcttg aatgtttgaa aagcatgtat gaaaatgatg 180

aaacttttgg agaaattttt aaaaattgtg aaaatttttc agaaaatggt ttctttagac 240

atgaaggctt tcttttcaaa gaaaacaaat tgtgtgtgcc taaatgttct actagaaatt 300

tgcttgtttg tgaagcacat gaaggaggtt taatggggca ttttggggtc caaaagactc 360

tagaaacatt acaagaacca ttttattggc ctcatatgaa aaaggatgtg cagaaatttt 420

gtgaacattg cattgtatgt aaaa 444

<210> 3759
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3759

agcttganat tgacaaacga acaccctcga gaaattctaa tggtcataac ttgtcacacg 60

gaagttcgat taacgcgcag actatatcga gacgctcgaa attgagcaac gaatgctctc 120

gagaaattca tatggccata acttgtcaca cggatgtccg attcaggcgc ataatatatc 180

gagatactcg aaatctaaca acggatgctc tcgaaaaatt caaatggtca taacttgtca 240

cacggaagtc cgattcaggc gcataatata tcgagacgct cgaaattgaa caacgaatgc 300

tatcgagaaa ttcaaatgga cataacttgt cacacgaaag tccgattaac gcgcataata 360

tatcgagaaa tctatatgcg cataac 386

<210> 3760
<211> 505
<212> DNA
<213> Glycine max

<400> 3760

atctctgagt cacctgcggc atgcaagctt caacatcaga ccacttccag ggtgctggat 60

ctacttcaca tggacttgat ggggcctatg caagttgaaa gccttggagg aaagaggtat 120

gcctatgttg ttgtggatga tttctccaga tttacctggg tcaactttat cagagagaaa 180

acagacacct ttgaagtatt caaagagttg agtctaagac ttcaaagaga aaaagactgt 240

gtcatcaaga gaattacgag tgaccatggc agagagtttg aaaacagcaa gtttactgaa 300

ttctgcacat ctgaaggcat cactcatgag ttctctgcag ccatcacacc tcaacaaaat 360

ggcatagttg aaaggaaaaa tagaactttg caagaagctg ctagggtcat gcttcatgcc 420

aaagaacttc cctataatct ctgggctgaa gccatgaaca cagcatgcta tatccacaac 480

agagtcacac ttagaagggg gactc 505

<210> 3761
<211> 449
<212> DNA
<213> Glycine max

<400> 3761

tattaacttt gttgtttaga ggagaagata tctgaaatga gtatcaaaat actttataat 60

aaaaatatta aaaaatacta tatgaatgaa tcttaatcaa gtaattcaca tattatatca 120

tgtaaaacat taaaacatat agatattcac ttatatcaaa gcaatcaaac acaagtattg 180

aagaataatg attatagata ttattaaaat atttgaatga aaatttcatg ctaataagat 240

aaactcaatc aagaacacat actcaaaatt tcaaacaatc aaaacaaaca aatgaaaaat 300

tgttagttat cataatcaaa ttgattgaag aaatttttta ataagagaat agttttgata 360

ttacctttct catgattaag gtgtctaaat cttcaaagat gaggatctta ctttttctct 420

atgtttatca ttcttgagaa atgttctca 449

<210> 3762
<211> 233
<212> DNA
<213> Glycine max

<400> 3762

tgcttgtttg tgagagatgt tggtgtacca cacaagatac gcattttggg tgagaacaag 60

attgcctgtg ttgttgagtg ttatgatacc cgaggaatca ttgatggggg tgggcttatt 120

agcaacccaa acaactgtct ggattgggat gttcttgtac caaataccca cataacgttt 180

atgggaataa cctggtgatg tgccatcatt ttcttctatt atctaaaccc ttt 233

<210> 3763
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3763

ctgcagcttc ccatcgcacc acttccaggg tgctggatct actgcacatg gacttgttgg 60

agcgtatgca agttgaaagc ctgggaggat agaggtatgc ctatgttgtt gcggatgatt 120

tctacagata tacctgtgtc tactttatga gagagagcgc atactccttt gaagcattca 180

aatagccgag tatattactt caatgagaaa aagactgccg aatacagaca atgcngcgtg 240

accaccgcaa acagttagat gaccgcacgt tgagtgtatg ctgcccatat gacagcctct 300

ctcatgag 308

<210> 3764
<211> 436
<212> DNA
<213> Glycine max

<400> 3764

tgctgtgaaa attattagcc ttcgctccaa cctactcagt ggttatcttc ctgctgacat 60

tggttctctt ccttctcttc agtatctcta cctccaacat aataaccttt ctggtgatat 120

acctgcctca ttgtctctcc aactcgttgt actcgatttg tcatataatt ccttcaccgg 180

tgttattccg acgacatttc aaaatttgtc ggaattaact agtttgaatc tccagaacaa 240

ctcgctatcc ggacagatac ctaatctcaa tgtcaatctg ctcaagcttt tgaatttaag 300

ctacaaccaa ttgaatggct caattcctaa agctcttcag atttttccaa attcttcctt 360

tgaaggaaac tctctcttat gtggaccacc tctaaagcca tgctctgtgg ttccccctac 420

accttctcct tcctcg 436

<210> 3765
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3765

agctnggcag caatatagct caatacatta catgttatag aaacccttat acctaaaaca 60

ccaccagcaa cttactacac caaatccttg caatttttt ccctatcttc ctaatagcag 120

gggtctctta catgccacat aaacctccaa aacaaacgaa acctatcaat aaaaattaaa 180

aaaaaaaaag aagaacaaac tagcctccaa atccggagag ggttcttcct tgtctcttga 240

gagcataaac cacatccatt gccgtgacgg tctttctcct aacgtgctca gtgtaggtaa 300

cggcgtcacg aatcacgttc tacacaaaga tcttgagcac gccacgtgtc tcctagtaga 360

tgagaccact gatacgcttc acaccacccc tgcgagccaa acgccgaatc 410

<210> 3766
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3766

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tatatcgaga cgctcgaaat tgaatgttga atctctgagc caatccaaac gacaataact 120

ttttactcgg atgtctgatt gagtcccgta atataacgag actctcaaaa ttgaatgttg 180

aagctctgag ctaattcaaa cgacaataac ttttaactcg gatgtctgat tgagtcctgt 240

catacatcga gacgctcgaa attgaatggt gaagctctga gccaattcaa acgacaataa 300

ctttttactc ggatgtctga ttgactctcg tcacatatcg agacgctcga aattgaatgt 360

tgaagctctg agccaattca cacgacaata acttttttact cggatgtctg attgagtccc 420

gtcatatat 429

<210> 3767
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3767

nggagaggat gctntaatgg aggaaaagaa agagagaaga ggggagcacg aaattgaagg 60

aataaaagag ggagaaaagt gtaactttga agtgtgtttc atactactag aatgaccaaa 120

atacaagacc taaaagaagg aaaaacctat tctaatattt acaaagaaga gtggatccaa 180

ccttgaccct tgggctaaaa aatctaccct aaggttcgtg agaaccctan ggccttcctt 240

tggatctctg gcctaatcta cttggagtct tctatccaat gtccttgtgg gataggattg 300

catcagccac ccncttatgc atcattnttt aaggagacct ttcggatgtc tggttggntc 360

tttnttttttc tctcatatcc atggatgtca ttgatgatta agttcttata taactgggta 420

agtcacccnc cttatgcatc attt 444

<210> 3768
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3768

acgcttgcaa gagtttctac atccagccct atctgatata aaacatctta tgccttgaat 60

ttctaactcg acacgcaacc aattggcaaa tcttattaga ggaggtttac gaccatgtag 120

tcctataaag acatcacaac tctttagtct ataagaagaa agtgatctac aacctggggt 180

tgatgatgtt cttttgtttc tgcctctctt gcttctcttc tctttcagcc cagaataacc 240

atcatcataa ggatggcaat aaccagacac agtgctacta gagatgccga ctgaggaaga 300

tatgcgatca aggttctgca aatcacctgc attacagcca gctggagatg cagccacctc 360

agagaaggag catccaacat tcacaataga ctntggttct ggaatccctg aaatg 415

<210> 3769
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3769

agctnttaaa atatataata aaagaactat tattattgaa gaatcaattc atgttgctgt 60

tgatgagact aactcagtct aagaaaggat atacttgatg acattacaga tactttagaa 120

gatacacata ttcatgaaga agtccacaca aacaaagaag aatgaaatag caaagattct 180

caatccaaag aaaatcaaat aaatgtggat cttccaaggg agtggagaac ttcaaggtgt 240

caccctcttg acaatatcat agttgacatc tcacaagggg taataactca acactctctt 300

atagatgcat gcaataacat ggcttttgtc tctttaattg aacctaaaaa cataaataaa 360

gccataattg atgaatatct ggatattact atgcacgaag aattaaatca atttgcaaga 420

aatcaagtat gggaattacg tgatagactt aatgat 456

<210> 3770
<211> 437
<212> DNA
<213> Glycine max

<400> 3770

tatcctgatg agggtgctcc atatgttctc aagactggac taatacattt gctgcccaag 60

tttcatggtc ttgcaggtga agatcctcat aagcatctta aggatttcca tattgtttct 120

tccaccatga agccccctga tgtccaggaa gatcatatct ttctaaaggc tttttctcgt 180

tctctgaagg gagtggcaaa agattgacta tactaccttg ctcccaggtc cattttcagc 240

tgggatgacc ttaagagggt gttcttggaa aaattcttcc cttcatctag gaccactgcc 300

atcagaaaag acatttcatg catcaggcaa cttagtggag agagcttgta tgagtactgg 360

taaagattca agaaatggtg gtgcagctgt cctcaccacc agatttctaa gcaactcctt 420

ctgcagtatt tcaatga 437

<210> 3771
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3771

gggatcaact catattactt tntagtattt tactttgttc aaaaaattag acaagcgcta 60

aatattgaaa tgtctgatat ttatgaacca caagcagaca ttgttacagc ttctttgtca 120

acatgtaatt ggactntgca actatccaat caatcatagt tataaattag taatcatatc 180

acaaattata gatgaaaatt acttatccat tcatttaaag attaaccatt ggttaaaaga 240

anaacttata cgatatcaat taattacata tataatatct atatctagaa ctataatgat 300

ctaattgtct aattgacacg attacaaacg tctcgtttaa tatctttccg tcaagaatac 360

cttagcttat gttatatata tttcgcaacg acttcgttga cattaat 407

<210> 3772
<211> 447
<212> DNA
<213> Glycine max

<400> 3772

agcttaacaa ttcaaggtga acaagatctg cttgcctcag ccattttatt tattgtacaa 60

tcttgtattt ggaaatctat aattgacaac atctgcttgc ctggattgct aatctagtgc 120

tggccttgca tcaatgtctc cgggtgcaag aaattcaagg atattcgccc ttgaaaaaat 180

gattgctact tcttctacaa cattgctgtc aatggcatct catttgtcac aggcagaaga 240

gcgggaacgg gttttcagtg gcaagggacg ttggaaccaa ctccgttccc ttcctgaagc 300

caagaatttg atgaatcatt tgttcaatct ggcatcttcc tccaggtaga gtagctttat 360

ctgcaaacaa aatttatggt ccatgttgtg atgaatgact gaatctttgt ctatgccttt 420

ctatatttca cgtgttcatt gcgagat 447

<210> 3773
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3773

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agttgctgca catgatgtcc aacgttatgt caaagaataa gatcgggctg cacaatgcac 120

aaggcaagat aaagtgtcaa atgaagaatt gaagctgcag gattcacgat gtcggataca 180

atgtccagga catcctgccc gaaaatactg gagttgctga aagcattgaa gttgcaggat 240

ccacgatgtc ggatacaatg tccaggacat cctgcccgaa aatactggag ttgctgaaag 300

cattgaagtt gcaggatccg cgatgtcgga tacgatgtcc aggacatctg gcccgaaaat 360

actggacata taaatctgtt atatctttaa cagattattg tgcagttagc aagagattag 420

atgatctat 429

<210> 3774
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3774

nttagccaat acacacgaca gacaactttg tgctcggata tctgattgag tccagtaata 60

taacgagacg ctcgaaattg aatgttgaag ctcttagcga attcaaacat cattaagtgt 120

ttactcggat gtgtgatgct gtcccgtcat atatcgagac gctcgaaatt gaatgttgaa 180

actctgagcc gattagaacg acaataactt tttactcaga tgtctgatag agtcccgtca 240

tatatcgaga cgcttcgaat tgaat 265

<210> 3775
<211> 355
<212> DNA
<213> Glycine max

<400> 3775

agctcttgcg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60

tcttgtattc tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcatc ttctttggag 180

gatagacatg tggaggagta actggcttct tgacgtgtcc ataggtaaca gttgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcacgaagca ttctgacttt 300

gtgaagatta cattgaatcc ttcatcacac aactgactga tgctgatcaa gtttg 355

<210> 3776
<211> 259
<212> DNA
<213> Glycine max

<400> 3776

gaataaaaaa tctgcacatg ttacaagagt ttgtggtcta tgttcttctg cagatcatca 60

tacagatctt tgtccttctt tgcatcaatc tggagtcaat gagaaacctg aagcttatgc 120

tgcaaacatt tataatagac ctcctcagca gcaaaaccaa caacagcaaa ataattatga 180

cttttcaagc aatagataca atccagattg gaggaatcat ccaaatctga aatggacaag 240

tgtcataccc taatttcgt 259

<210> 3777
<211> 430
<212> DNA
<213> Glycine max

<400> 3777

tcaacattca atgtcgagcg tctcgatatg ttacgggact caatcacaca tccgagtaaa 60

aagttattgt cgtttgagtt ggctcagagc gtcaacattc aatttcaaac gtctcgatat 120

atgacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctgagag 180

cttcaacatt caatttcgag cgtctcgata tgttacggga ctcaatcaga catccgagta 240

aaaagatatt gtcgtttgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat 300

atgtgacggg actgaatcag acatccgagt aaagagttat tgtcgcttga attggctcag 360

agcttcaacc ttcaatttcg agcgtctcga tatatgacgg gactcaatca gacatcccga 420

gtaaaagata 430

<210> 3778
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3778

agctntgagc aaattcaaac gacaataacg ttttactcga atgtctgcat gaatcccgta 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgag caaattcaaa cgacaatgac 120

gttttactcg gatgtctgat tgagtcccgt catatatcga gacgctcgaa attgactgtt 180

gaagctctga gaaaattcaa acgactataa ctttatactc ggatgtctaa ttgagtcccg 240

taatataacg agacactcga agatgaatgt cgaatctctg agccaattca gacgacaata 300

acttttttact cggatgtctg attgagtctc gtaatataac gagacgctcg aacatgaatg 360

ttgaagctct gagccaattc aaacgacaat aactgtttac tcggatgtct gattgagtcc 420

cgtaatatat ccaca 435

<210> 3779
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3779

gggactngat cttggattag tgggctgaac cataactgaa attttgtaat cataattagt 60

gaaattttgg ctccacaaat tgaatttcaa atttccctcc aattttatgt gacacttatg 120

ctataaatag aggccatgtg tatgcatttt ttcaacttta atcgtttgaa aattacactt 180

caaagttcaa agctcatttg aggaacaaca ttttgtgctc cttctctcct tctccctccc 240

ctcatcttct cctatcttca aggtcttatc catgactttt tcatcaatgt ggtaattgat 300

gccctctcta ggagacacac attgttttgc tccctaggag ctcaaatttt aggatttgat 360

aacatttggg acttgtatgc tgtagatgaa cattnttctc ccattcatga 410

<210> 3780
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3780

tgttttccaa cattcaggaa taatggaatg tgatgttgca aattttaatt ntccttgtaa 60

taaatcagta aagtaaaaat gttaaattat tcattctttc attgtaataa agaattgaac 120

cttggaataa ttttttgtta tataattaaa ctgactaaaa ataactagcc caggtcttaa 180

cctttccagc attcctcata gttgcaattc tttttttctt aaaaaccatt ttgcttcttt 240

cttaaaaata taacttctgc tggattgctt angcactttc ttgcatataa gtagagctta 300

atatcttttt ctaggaattg taaaattgtc tagtaattgc catttttcct ttggcagatt 360

gagaagctta gtgatacaca gtgccagcct gaatcacagc ttaagttcat aacagaggcc 420

tcggtacagg taaatgaagc ttat 444

<210> 3781
<211> 451
<212> DNA
<213> Glycine max

<400> 3781

agcttccctt gctcctctct gacttcgctg accagcttca tgacctcacc cttttgatct 60

tcaagaactt ccaaaacctc tcccttgtcg tgcagaagtg aaatcacagt gtacattttc 120

atccccatcg ctcttgctaa caagctcatt cttatgggca aacggaagta gatgttcctc 180

aaccatggat tatgactaag aacttcttgt gctggagtgc gacaacagtc tattgccacc 240

cagaattgtc ccttttcgtt tattcttacg ttgtctggaa accccggaag gtcagctaat 300

agttccacac ttccactttt aggaccctct gtccaaagct tcattagcct gtcatcgtgt 360

cattttggaa tgaatgtgtt acgttataca tattacatat agagcacata ttgtatatat 420

tcttatctaa ttacaatata ttttttcacc c 451

<210> 3782
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3782

agcttattcc ttatttttaa ttntttttct ttacaaattt aggttaatta caatggtagg 60

aaaatttaaa atgtaacaag aaaattattt tataaataat aaaaataaat cttatattta 120

tgtttctttc tacttttcat attgaacaaa ttggtttggc cgaaacaaag aaacattttt 180

ttttatttat aaagagattt ttagtaaaaa aaattcaaat aacttctatt ttatttttta 240

agttttatgt ttagttctaa attttaaagt tacttttaaa tcctatgtgt cttatcttct 300

aatctatcat atttggatct tatctttatt agatattaat atttttttgtc tctattaaat 360

atnttcttgt acttaaataa cattttattt ttatcatata tggctatttg tatttgaggt 420

ttctc 425

<210> 3783
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3783

tcgcactttg atatggagac acatgaacag cgctatgcca tgacattcat tgtgcttcca 60

accaagggtg aatatgggag aatggctttg agggtcccac ttangccatc atgaaactta 120

acttccaact tcaaaatggg agacacatga acaggcccta agcaaatcat gtggcttcgg 180

aacagaacga gaatggagga tngcctttga ggtcctctct tangcaatca tggaacacag 240

cttcaaactc gaaagtggag gacacatgaa cagccctaag caataacatt catgtggctc 300

cggaacagga tgagaatgga ggattgcctt gagggtcctc tcttangcaa tcatggaaca 360

cagctccaaa ctcgaaagtg gaggacacat gaacagccct aagcaaattc atgt 414

<210> 3784
<211> 363
<212> DNA
<213> Glycine max

<400> 3784

agctttaatc gattacaatg ttttggtaat cgattaccag tgactctgaa cgttgaaatt 60

caaattcata tgcgaagagt cacatccttt cacataaaag ccttgtgtaa tcgattactc 120

gatttgcgaa tcgattacca gtgactgttt ctgaaaaaat cataagatgt aactcttcaa 180

aaaggttttg acttttttcaa attggattta agtttttcta aaggatataa ctcttctaaa 240

tggtcttctt gaccagacat gaagagtcta taaaagcaag gctttgattt ggattatcaa 300

ttaattcaat tctttcaatc ttgaatactt ttccaatcaa tctcttacaa tcctttacta 360

gcc 363

<210> 3785
<211> 461
<212> DNA
<213> Glycine max

<400> 3785

tatatctggt cgagtgcagg tctgagcata cataatactc ctaacaactg atacatacag 60

aattgcttcc atttgcttcc gttccagatc atttttagga cattgtgcga gactaaattt 120

gtctcctttc tgaattggaa cgggagatgc tgagcacttt tccatcctaa atctctctag 180

tactttattg atatatgctt tttgagacaa gcctaacaat ccttgtgatc tatttcggaa 240

tatttctatc cctatcacat agcttgcctc acccatatcc ttcatttcaa agttactaga 300

aagaaacttc ttagtctcat gaagaagacc aagatcatta gttgcaagca atatatcatc 360

aacatacagg actagaaaca taaccttact tccactgacc ttcagatata cacaccgatc 420

aatagtgttt tccttagatc caaaggaaac aatggtatca t 461

<210> 3786
<211> 454
<212> DNA
<213> Glycine max

<400> 3786

gaagcttgga gccaaaattt cactaattat gattattgaa ttttagttat ggttcagccc 60

actaatccaa gatcaattgc aagattctcc actaagtgtg cttaggtgtc atgaggcatg 120

taaagcatga aggacatgca caaaatgtga ttatatgatg tgacaatggg gtgtagtaag 180

caaatgctca cctcctcctc taaaatttaa ttggattggg cttcaaccaa ttcaattaaa 240

tttatttcca actacacaca tcaaatattc acttagtgca tgtgaaatta caaaactacc 300

cctaatacaa aaactagtct aggtgcccta aaatacaatg gctgaaaatc ctatatttcc 360

agcgtaccct acctacatta tggagcccta aatacaaggc caaaaaataa tgaaaccttа 420

atctaatatg tacaaagata agtgggctca tact 454

<210> 3787
<211> 450
<212> DNA
<213> Glycine max

<400> 3787

agcttccttg agataattcc taaagaagct agagcttagc tacacacacc tctctaatag 60

ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120

aagctcaccc ccatgacaaa atacatgaaa atacagaaaa gtccctacta caaagactac 180

tcaaaatgcc tcgaaataca aggctaaaac cctatactac tagaatggcc gaaatacaag 240

gcctaaacaa aggtaaaatc tattctaata tttacaaaga taagcaggct catacttagc 300

ccatgggctc gaaatctacc ttaaggctca tgagaaccct agggccttcc cttggatctc 360

tggcccaatc tacttggagt cttctatcca atgcccttgc gggatatgat tgtatcattc 420

ctccctcctt ctcattctct ctatttggtc 450

<210> 3788
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3788

tgaaggtgtg tagcccacca tcttttcata gtagtatatt ggtaatgcgt ctactattat 60

tggcatcatt gattttctct gtcattgagg tgctacttga gctgccaagt ctctccacct 120

ttgggcgtat cctttgaaag atctgtgccc tctttttgca catgttctgt agttgcatcc 180

tatccgaagc cattatactg acactgccta acgaaggcaa ccactaggtc cttccaagaa 240

tggactcggg aaggttccaa gttagtgtac caggtaacag ctaccccagt aagactctct 300

tggaaggaat gtatcagcaa ttcctcatct tttgcgtatg cccccatctt ccgaaaatac 360

atctttagat gggtcttggc gcaagtagtc cccttgtact cgtcaaagtc cagcaccttg 420

aacttgggan gggtgatgat a 441

<210> 3789
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3789

tcacanaaaa ttcaaaacca atagcaacaa ccatccaaaa attgttacaa acaaaaatac 60

aatcatgcaa caacatcgca ataggaaaaa atcagtgaac gcttaaacaa aatcactgaa 120

caccttcaaa gggaacatac cacttacctg gaagacgatt accttacgac cggaacaaaa 180

taggaaccac caccaatgga agaagtgaat ggtagaagaa caccggaaca acaacaatca 240

cgaccaaatg accagaacag gaacacgaac cgaaacacga acgaacgacc gtaacacgcg 300

cgtaggcaaa aaaagaagaa caagcggata agaggaagat gaagaggaaa tagcaccata 360

tgaaatgtga gaagcanatg cactgtacga atgactaact ntaggattnt atagtaata 419

<210> 3790
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3790

agctntgact aaaccaatgg catgctacac tgtataagac taaactctat tatcaaaatt 60

gtaactgttt tctctatcct agggagttat gccacggacc aagggtacag gtggcttggt 120

tttctttatt ttatccacca atatagcttg agtagttaga actgcaccag caacagaaac 180

tgcactttga agagcacacc ttgcaacacg actaggatcc gctactccag cattcaaaag 240

atcttcatat gtgcctgtca ttgcattata tccaattctc caatcatgtg ttctaatctt 300

ctggacaaca atg 313

<210> 3791
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3791

agctntccat tctcttggaa gttcatcatt ggatttgact tcttccggag gatcttcatt 60

gtttccttta tcatttcctt tggaatcttg ttcatgaata ttcatatgtt ctaaagaatc 120

tgcaatatca tctagcatat tctttcttga cagaatagca ttagattcat caaaggtaac 180

atgaatggat tcctcgatat tcatagntct tttattatat atcctatatg ctttgctttg 240

taatgaatat ccaagaaaaa taccttcatc agattttgca tcgaattttc ctagattatc 300

tttaccatta ttaagcacaa agcacttgca accaaaaaca tgtagatgag aaatattagg 360

ttttctacca ttatataact catatggggt tctctnntaa atgggtctta tcaaggccct 420

attcatgatg taacatgcag tatt 444

<210> 3792
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3792

tctatactnt atacaagaat gaagctctga taccacttgt tatacaagtg gcctcagata 60

tcttaagaag ggggggggg ggtgaattaa gatattccaa actacttccc caattaaaaa 120

tctatttcac tctctattca agttataaat tcccttaaca atgaacttcc taaatattaa 180

tccaaataac aacaatttga atctgaatat aaaccaataa taaacaaacg agtttattgg 240

aagacaaagt gcaaactcac atttatactg gttcggccac accctggtgc ctacatccag 300

tccctaagta acccgcttga gagttcacta tcttgtaaat tccttttcaa gtt 353

<210> 3793
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3793

tgtcaggttc aactntaatt aagcgcttgg ggcatcctat ggactgagcg aaaaggctca 60

ggacatcaaa cactacgcat cttttaaagc acaaagcgag gatcagaacc tcaaccctat 120

gttcatttaa aatactgcga tgagaaaatt atagaggaca ggaacccttg ggggaaacca 180

agaagaacat acaaaagata aaaacatgca gcaacttctt taattgcccc agatcttaag 240

cgtagtatcg cttgacaacg tcggagttca tgggtgaagg tagctcctcg tcatccatgt 300

tggcgagcac cagggcccct ccttagaaag ccctttttac aacgaaaggc ccttcgcagt 360

tcgaggccca ctttcctcta ttgtccttta gagcttggga gactttcttc agcaccaagt 420

ccccttcgct gaacctgcgc gagcatacct tctt 454

<210> 3794
<211> 456
<212> DNA
<213> Glycine max

<400> 3794

ctttagtaaa taaataaata tagagcacat aataggctga gtaccctagg tataaataac 60

tatgttaagt gaggtgtctc ctcttggcct cattttcgtt tttccccttc tcttctcaaa 120

actctttctt tgtaccgcag cccaccaaac ctgtctgaga aaaacgacga tctcagactc 180

atttaccgtt ggatcgtcgt gaaattttag cagcacgttc gtaacccaat tccgagcatt 240

ctcactactg ggaattgcaa aaacatgtca gagctaagag aaataccctt cgcaccgtag 300

ctttctcttt tcccgcagaa acccaaaaca gtctcagtaa aactatgatc ccagtttctt 360

taaccggtgg attttcataa aatttgggta tgttgttcga aattcaattg cgcacacttt 420

caccgttggg tttcgcgaga taatattcgt ggaggg 456

<210> 3795
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3795

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aatctgcacc tgtcgccaga ctctgtggtt tatgctcctc taccgaccac cacacagacc 120

tttgcccttc tgtgcaacaa tctgaagcaa ttgaacagct tgaagcttat gctgcaaaca 180

tctacaacag aacaattatg acctctctag caacaggtac aatcccgggt ggaggaatca 240

tcccaacctt agatggtcga atccttcaca acaacagcaa caacaacctt attttcaaaa 300

tgctgttggc ccaagcagac catgcgttcc tccactaatc tagcagcaac aacagcaaca 360

gcaacagccc caaaaataac aaatagttga ggcccctccg caaccttccc ttgaagaact 420

tgtgaggaaa atggctatgc aaaacat 447

<210> 3796
<211> 458
<212> DNA

<213> Glycine max

<400> 3796

tcatcctcct ctttgtgaca atcactggct tcttctcatc attgttttca gcatcatttc 60

ccaaagggta ctcttcagtg acactactac tagactttgt tgtttgcttt ccgaatgaat 120

gctcggattg aggcacaata ttgttctttg gtgcaacact tgttgtccca atggacttgt 180

ttctcacact tgtcatgctt ctcaaccttc ctttccctaa gtgatgctcg caaagagagt 240

aacccaccaa ggtttgttga aaacacctcc atcctcttcc gtttacacga ctgcaccttg 300

aaccttccat tagtgcacta ccccttaccc tcttcttacc aacgtttgct tgttcgggtt 360

tcgtttcctt tgttgccgcc tcttcttggt tctctacctc ttcttcattg ctatcgtctt 420

gcctcgaact cttgttcatc ttcctcttca ttctcttc 458

<210> 3797
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3797

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atgactttct tccttggact tcaagtcaag caaatgaatc atggaacctt cctatgtcaa 120

ataaagtact atacaaaatt gattaagaaa ttcagtgtgg agaagtgcaa agaaacatca 180

acaccaatgg caacatccac ttatcttgac ttagacaaaa aaggtaaatt ggtagacgag 240

tcaaagtaca gacatatgat tggttcactt ctttatttga ctacaagtcg acccaatatt 300

atgcatagtg tttgcttgtc tgcaagatat caagcaaatc ccaaggaatc caatttaact 360

tctatcaaag ggattattaa gtaacttaag ggcacaacca atgttggttt gtggtatccc 420

aagggtacct ctntgagntt aattcacttt tctaat 456

<210> 3798
<211> 433
<212> DNA
<213> Glycine max

<400> 3798

agcttagatg gagaagaaga cagagcgcga gcttcatagg tctcaccata ttttttaaaa 60

tataagttca acattggttt tttaaaaaac accgatgtta acatcagttt tctggaaaaa 120

aaaaaaaaca atgttaacat atcaaacgtt aacatcggtt ttctaaaaac ccgatgttaa 180

taaacatatg ttaacatcgg ttattaaaaa accgatgtta actaataaat gttaacatcg 240

gttctccaat gaccgatgtt aatgaacttc gttaacatcg atttttcaca aaaccgatgt 300

taacatatac acggtattta caattatgtc accgcgcata tgttaacatc ggtttttta 360

acaaccgatg ttaacacacc gatgttgaat ccgctttttg tagtagtgat agctgccctt 420

ataagattat agt 433

<210> 3799
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3799

tataaactnt gttacctgac attntgctct gttctcatct aaacgagtta aagcatgaan 60

aatttttgca ggaatgttag gagcattctt caagcatatt aatgcactgc atttaaatac 120

acatgaacgt ttgcataaac aggcacaaca tgcaatttca agtttactca taaaaagcca 180

agcttacttt gtattgcaag ggtttcccac tactataact ttgacattgc gggatgcaac 240

ggcatttaaa gctcttccct gttgtacaaa aggtataatg tcattataat taacttcact 300

ttagcagaaa gcaataagta tggtttaaat ttcattatca ttttacctgc gctgcataaa 360

tctgcccatt tatgtctaac aagtctgctc gttccattcc aggtcctcga ggctttgcac 420

ctattagcaa agcccattct gcatcttgga acacttcat 459

<210> 3800
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3800

agcttgtaat cgattacaca catactgtaa tcgattacca gaagagtttt tcagaaaaca 60

ttctcaacag tcacatcttt gtgtgtggtt cttgaatggc tatcataggc ctatatatat 120

gtgacttgag acacgaattt gacaagagtt tttcagaaca aaaaaggtct tatcctctta 180

taaagagaaa tcgttttatc ctcttacaaa ttccttgggc aaattacttg tgattcaata 240

aggtattatt tgagtgctca aattgttcaa tctatctctt gcaagagaga tttcttcttc 300

tcttgttctt cattctgaan agggattaag agaccgaggg tctcttgttg tgaaagaatt 360

ctaaacacaa aggaaggatt gtccttgtgt gtttagaact tgtaaaagga atttacaaga 420

tagtggaact ctcaagcggg tt 442

<210> 3801
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3801

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gatgtcttat tgagtcccgt aatatatatc aagacgctcg aaattgagga aagaagctct 120

gagcaaattc aaatgacaat aacttttac tcggatgtca gattgaattc ggtaatatat 180

cgagacactc gaaattgtga tccgaggcgc tgagaaactt caaacgacat taactttata 240

cacggatgtc caattgagtc ccgtaatata tctagatgct cccaattgaa aacggaagct 300

catagaaaat tcaaacaaca ataaaattat caaatgatgt ccaactgagt cccgtaatat 360

atcgagccgc aacgaattga aaacggaaga tcgtaccaaa ttcaaacgac aataactntt 420

tactcggatg tctgattgag tccccgtata tatcga 456

<210> 3802
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3802

agcttccgtt ntcaatttcg accgtctcga tatattaccg gactcatccg gacatccgtg 60

tataaagtta ttttcatttc aatttgctca gagcttctag tctcaatttt gagcgtctcg 120

atatattacc cgattcaatc ggacatccga gtaaaaagtt attgtcgttt gaatttgata 180

cgagcttcca ttttcaattt ggatcatctc tcgataaatt acgacactct ggtgcgcatg 240

cgaataaaaa gatattgtcg ttagactttt ctaagagttt ccatttgcaa tctggagcgt 300

ctgcatatat tacggcactc aaccacacat ccgtgtatac tgttagtgac attcaaatgt 360

tctcagagct tctagtctca atttggagcg tctcgatata ttacccgatt caatcggaca 420

tccgagtaaa aagatat 437

<210> 3803
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3803

tagcccataa ggttntccaa aagtggctat ggaacttagc atctctatct gacacaatgg 60

tcctaggcaa accatagagt ctcacaactt ccctaaagaa gagttctgag atgtgagaaa 120

catcatctac cttgtgtcat ggtataaagt gtgtcatctt gctaaaccta tccaccacca 180

caaagataga gtctacacct ctttgggttc taggaagccc aaggacaaag tctatactaa 240

tgtctaccca cggtgcaaat gggatgggta agggtgtgta tagccaatga ggcatcacct 300

tagacttggc ttgtaaacaa gtcacacacc tagtgcaatg cttatggaca tctctcttca 360

tatgggattg ttaacaacga gtgctctttt gatgtcacct tttgtggcac aatgattctc 420

cttcttaaca atcttctt 438

<210> 3804
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3804

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ttggaggtag gttactgcta aatacttttt tatttttat tttaatttgg atgtgtatca 120

tttgatcact attatttact tttgagatat gtgtggtttt tttactatag ggacatgaaa 180

atgaagtgaa gtgtgtgtct tggaacgcgg ctgggacgtt gcttgcaact tgtagtagag 240

ataagtctgt ttggatatgg gaagtgctgc ccgggaatga gtttgagtgt gtgtcagtgc 300

tgcaaggaca cacgcaggat gtgaaaatgg tgaagtggca tcccacagag gatatcttgt 360

tttcatgttg ctacgataat agtgttaagg tattgttgcc aatgctaaaa gagtatctcn 420

ctctttaatt tcatttttgt tcatttat 448

<210> 3805
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3805

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actaagtatt tattacctat acttaacaaa aaatacttat aacactacaa aataacaata 120

aattggaaga gtttgataca atttacacaa gttttataca taaaagttag tcgtattcat 180

cgactaacag ttgtcgggag gtttgcgtgg aacatatgca aattcctagc atcatatgca 240

ccaccttgtg aagttgaggg catctgcctt gagtgtcggc caattttagc cactgcatac 300

taccttggtt gccaaagagc gacccccagt atgcaggtcg cagtttcctt tatgcaactt 360

ccacatgacg tagtctactt gttggttgtt caggcactta agcaagggtg ttgtcatcct 420

tattntgaat agttcaccat caaggatgac atagt 455

<210> 3806
<211> 369
<212> DNA
<213> Glycine max

<400> 3806

agcttgaagg caaactggat gcgttggtca acttggtaac ccagctggcc ttgaatcaga 60

aatctatacc tgtcgcaagg gtttgtggat ggtgctccta tgctgaccac catacagacc 120

tttgtccttc catgcaacaa acctggagca attgagcagc ctgaagctta tgcatgaaat 180

atttacaata gacctcctca acctcagcag caaaatcgac cacagcagag caattatgac 240

ctttccagca acagatacaa ccctggatgg aagaatcacc ctaacctcag atggtccagc 300

cctcagcaac aacaacagca gcctgctcct tccttccaaa atgttgctgg cccaagcaga 360

ccatacatt 369

<210> 3807
<211> 450
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3807

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atgcagatgg ctagtggctt tccatgcagg cacgagaggg cacagcaacc ctgcatttga 120

atgatttttt agtgaaaatc gttgctgaaa cagagctggt cttttcagac gttcgtaaca 180

agttccaaca tgtggggaaa ggttggagtt ggatctcaag tgaagctggc cagcaagctt 240

ttgttctatt gtcgggtacc gttgtttatc aaccatcatt gcttgagtag ctgagtactt 300

agaattacta taaactgcaa cagaataaat tatgtttagc tatttatgga cttaaatgaa 360

atcaaggcct aggttatttg agttcaagag taacactgaa ttccaaatta catttaagaa 420

gctaattcac agcttctgtt tatttctaac 450

<210> 3808
<211> 333
<212> DNA
<213> Glycine max

<400> 3808

agctactgtt ctggaggtgg cgatcaaaga caatgatgtt gttgcggatg actccgtacg 60

gagagagatg tttgatatta atgaactccc agaacgtgtg cctccagata gccctttggc 120

tccacatcgg ttcaggctgt aagatacgag gggtggctca gcctaaggac agtatacgtt 180

ggcgcgttgc acgggaactc aggcagacca ggcatttctt gatgcatggc cttctgatgc 240

agcatctgtt gtgcctcgac ctgttgcaaa catcagatca aaggtttacc ttatccctac 300

tctctggtgt gtgacggtca atgatattga cgc 333

<210> 3809
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3809

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gggtgccatc cagggaaacc ttttcaaatt taaaccatct taaataatct gaattacagt 120

atatgcatct aattgacgtt gtttgcttgc aaactaactt agtaccatgg aggaaccaac 180

tttgggagaa cagcctctgc ttatgttata acaggctatt atgatcaagc cccacttgat 240

gaatatggca agtgcacaaa attattattt taacacctca tctcatttga tgtttataaa 300

tgttgcacac tttcttatta ggtttgctag ggaacccaag tgggacatct caagcgttac 360

atgaagtaat aagtcttgct ctacacatta tac 393

<210> 3810
<211> 346
<212> DNA
<213> Glycine max

<400> 3810

agctcgaact attatactta ttctaacttt agatctcact agtaaccgga ccattcaaca 60

tgtggatgtt gacaatgcat ttttaaatgg attgctggag aaggattatt atgacgacac 120

agccccgggc tttaaattag aaaaaaaaaa atctgctctt ggttgtaagc ttcagaaagc 180

tatttatgac ttgaaacaga ctgctcaggc ttggtaagag aggcctacta aaaccctcat 240

tgggtttgga tttgttcaga gtaaatgcga tccatctctc ttagttctca agactattgc 300

tggctgactt tatgagctca tctacgtaga tgacattatc ttaaca 346

<210> 3811
<211> 356
<212> DNA
<213> Glycine max

<400> 3811

agcttgcgaa atgtgttgta caatcgttca aatgaaggtg cacaaatagc atggatatta 60

acaagggttg tagccaagtc cctagcatta ttcagccacc ccccaaaacc aatcccttcg 120

atcaaaaaag tgtaagtagg ttcatttggc agacaccctt tgtccaccat cgcagccaac 180

acttcagtag catcactaac tctacccact ctgcacaacc caagaagaac aatgttgtaa 240

ctaacaacac tgggcttaca ctcactactc tccatctgca tgttcaccaa caactcaatg 300

gcctcatgca ccatcccatc cctgcacaaa caagatataa gcgaattata cgcgat 356

<210> 3812
<211> 452
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3812

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tcattagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120

gctttccagg ttctgctatc cagtgatttg aggaaggcca ccatccttgc tttccagtat 180

tcatagttgg ttccatccac aatgggtggt ctgttcactg gtcctccttc tttctccatg 240

ttcatcagaa tttatctccc tagatctcac tcagtgattt acagtgcccg ctctgatacc 300

aattgaaatt ctgatactga ggccagatgt cgtaccggat gtcacgacat cacgcttcag 360

aacatgcaga ttatatttga ctgtatgaac agattaaaca agtnaataac acaagagaat 420

tgtaacccag ttcggtgcaa cgtcacctac at 452

<210> 3813
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3813

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tgtaccatgc tctcagtgct tgttntagtc cataaaaagc cttctttaac ttgagaactt 120

tgtcttcttc taatgtcacc tttaatgcca acggatgttc gatgtacact tcttgcacga 180

ggactccatt cacgaaggta gacttcacgt ccatttgatg aattctccac tagtgttgag 240

ttgccagaga gattattagt acgatggtct ccaggcgagc gaccagagca aacacctcaa 300

cataattgat aattgtgaaa tttgaggtca tctgatagtc cattttggct aagaatgatt 360

gtaatttctt tactgtattg ttttttttaat aaaataataa agaaattaat atctttgcag 420

ttcttgatta acagaagtta aaagaacaat attt 454

<210> 3814
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3814

agcttgtaag agcttggtca cttcctttnt caccacatct ataatgacgg ggttgagtcg 60

tcgctgtggc tacctcactg gcttagctgc atcctctaaa agtatcctat gcatgcaggt 120

agatgggcta ataccaggaa tgtctgctaa agtccatcca atggccttct tgtgcttctt 180

gagcaccggc aacaacttct cctcttgctc aacatcaagg gaagcagaga tgatcactgg 240

aaatttgatg caatcctacc ccgcaagggc attggataga agactccaag tagattgggc 300

cagagatcca agggaaggcc ctagggttct catgagcctt aaggtagatt ttgagcccat 360

gggctaagta tgagcccgct tatctttgta attattagaa taggtttttt ccttcgttta 420

agccttggta tttggccatt ctagtagtat 450

<210> 3815
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3815

agcttctcca agacatttaa gaaagcaaat tacataatct tattctcggt gttgtttaat 60

cacattctta tctcaagtac aatttggagt agctcttgga tcttccagag ttacgaaaac 120

atatcattaa tatttattga tatttgatga tattttctaa attttatcaa aaaaagttag 180

taatattttt gcttagtgtt agaccaaaaa atgttcttaa agatcaggta gtgaaagttc 240

aacccaaaaa atatacttag aaaatatgag cataatgcca ctaaaaataa cattntttta 300

aactatactt gacacttgtc atcagtaatt tgattattgt caaaatactt atactatttg 360

attcatcaat aatatctttg acccatttat tagaaaaatc tcatttatta atatgagtat 420

ttaataataa ttaatgttat actccatttc t 451

<210> 3816
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3816

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atcgagacgc tcgaaatgga ataccgaagc tctgagcaaa ttcaaacgac aataactttt 120

tactcggatg tcagattgag tcccgtaata tatcgagacg ctcgaaatgg aataccgaag 180

ctctgaacaa attcaaacga caataaattt ttactcggat gtctgattga gtcccgtaat 240

atatcgagac gctcgaaatt gaataccgaa gctctgagca aattcaaacg agaatcactt 300

tttactcgga tgtctgattg aatcccgtaa tatatcgaga cgctcgaaat tgaatatcga 360

agctctgagc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 420

atatatcg 428

<210> 3817
<211> 425
<212> DNA
<213> Glycine max

<400> 3817

agcttctaca tgtcaattac tagcgtttcg agatattacg ggactcaatc ggacatccga 60

gtaacaagtt attgtacttg gaattagctc aaggctactg tataccattt cgagcgtcta 120

gatatattac gggactcaat cggacatcag agtaaaaagt tattgtagtt tgaatttgct 180

cagagcttcg gtattccatt tcgagcatct agatatatta cgggactcaa tcagacatcc 240

gagaaaaaag ttattggagt ttgaatatgc tcagggcttc agtattccat ttcgagcgtc 300

tcgatgtatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tgtgaatttg 360

ctcagagctt ctacattcga tttcgagctt tacgatatat tacgggactc aatcagacat 420

ccgag 425

<210> 3818
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3818

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gaagttataa tctagatttt tgttgaaagg gacagtatat ggaacattaa aattcagaga 120

ggcagcaggc aatctattta tcaagtatac tgctgtagtg caagcaaaat cctataacat 180

tttggtgatg agtgtgagga cagatcaatc tctgagtaat accttggttt gctaaaaaat 240

tggttagagg tctgaactgc cctccccagt ctgtttgaac tcttttaatt ttggaatcaa 300

actgaagttc agccattagc ttgaactggt ggaaaacagt gaaggtttct gaattatttt 360

aagcaaatag atccatgtaa tagtaaaaac catattttga aggaatgtat gcaggactcc 420

atagatcact atgtatta 438

<210> 3819
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3819

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tcgagacgct cgaaattgat tatcgaagct ctgagcaaat tcaaacgaca ataacttgtt 120

actcggatgt cagattgagt cccgtaatat atcgagacgc tcaaaatgga ataccgaagc 180

tctgagcaaa ttcaaacgac aataactttt ttctcgaatg tctgattcag tcccgtaata 240

tatcgaaacg ctacaaattg aataccgaag ctctgagcaa attcaaacga caataactct 300

ttactcggat gtctgattga gtcccgcaat atatcgagac gct 343

<210> 3820
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3820

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taaaaagtta ttgtcgttag aatttgctca gagcttcggt attccattac aagcatctcg 120

atatattacg ggactcaatc agacatccaa gtaaaaagtt attgacgttt gaatttgctc 180

agagcttcga gaatcaattt cgagcttctt gatatattac gggactcagt cagacatccg 240

agtaaaaagt tattgtcgat cgaatttgct cagagcttcg gtcttcaatt acgagcgtct 300

cgacatatta cgggactcga tcacacatnc gagtaaacaa gtgagtgtcg tttgaattga 360

gctcagagct tcaacattca 380

<210> 3821

<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3821

tcacttcact tcttcaagtg gtgcaggata tgcttccaga ggaaaacact tttccaaaaa 60

gttactatta ggcaaagaag atactatgtc cgatgggtat gaagtaccag aagattcatg 120

catgccctaa tgattgcata atgtacataa atgagtttga agaaatgcac aactaccct 180

ggtgtggggt atcacggtac aaagtgaagg atgatgacga gtgtagcaat gatgaaagca 240

ccaagaaagg ccccctaaca aaggtgttat ggtatctttc gatcattcaa aggctcaagt 300

gtttgtttgc taatgcagat gacacaaaag accttacatg gcatgcagat gggagaaatt 360

gtgatggaat gctccgccat ctggattatt cctcttagtg gaagaagatt aatagtctgt 420

attcanaatt acgcaaagag gcaagaaatc 450

<210> 3822
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3822

agctntagta acacccattg gccaatctga aattccccat cataccttct taagaactcc 60

ttccaaaaat tgctcacgaa aacaggatcc ctgtcactaa ttatgacaac tagtgctcta 120

tgtagtttgc aaatctggtc catgaaatat tgagcaagtg ttgccgctat atatggctgt 180

gaaagggcca caaaatggac atacttgctc attcgatcaa taacaaccca catggtgtcc 240

ttgcaattgg atttgtgagg gccctcaata aaacccgttg ttatactttc ccaaatccga 300

ctaggaattg gaagagggtg caaagtctag gggtggcaat tgtatcatac ttacaccatg 360

cacatgtatc acaatgttca atgaaatcct gaacatcttt aatcatcctt ttccaccaaa 420

atagggatct caatctctaa tatgttgc 448

<210> 3823
<211> 456
<212> DNA
<213> Glycine max

<400> 3823

cgacaagtca gtctgtttaa gtaataataa taataataat tataataata atatataatt 60

attattatta ttattattaa atacctatta ttactataaa aaaaaagctt gttaagcttt 120

gtgttttaac gacatgaatt caatatgatt ctatttatca attatttttg gatttgtaca 180

ttacttatac gaaattttat aagtttcttt ttttagttaa tatttcacta agttttaaaa 240

taattaattg atcaaagata tctttaagca aacttttaaa tagacttgaa gacaaagtcg 300

aacttttatg taagtcaagc cgagcctttg aaaaaaagcc tatggcaggt aatgagttaa 360

gatcaagcct tgggtattca acttaagtca agttcaagtc taataaaggt tggcttgact 420

cggcttattt tcacccctag ttatgattta atttca 456

<210> 3824
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3824

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aagttattgt cgtttgaatt tgtttagagc gtatgttttc aattacgagc gttttgatat 120

cccacgggac acaatcggaa atccgagtta aaaattattg tcgtttgatt tttctaaaag 180

ctttcatttt caattacgag cgtctcaaaa tcctacggga cacaatcgaa catccgagtc 240

aaaagctatt gtcgtttgaa tttgctcaga gcttcagttt tcaattacga gcgtctggat 300

atattacaag actcaatcag acatccgagt taaaagttat tgtcgttcga cttttcatag 360

agctttcgtt ttcaattaca gcgtctcgat atattacgag actatatcgg acat 414

<210> 3825
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3825

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tcaaggtgat ggcactcaca ttcttcggat tctgcatagt ttgtgaaggc aatttgtcag 120

aattttggga ctgagcttgg ttcaactgag tatccatctg tccctttga tttgtcaaac 180

tctgaatgga ggctctngtc tcttgctaaa attgcatatt ctggatggtc attttcccca 240

ctaactcctc taaggaaggt tgagaagggg cctcagttgc ttgttgtctt tgttgttgtt 300

gctgctgttg cattggagga ggaacatatg gcctgcttag actagcagca ttctggaaga 360

gagggacagg ctcgttgtgc tgctgttgtt gttgtggagg atttgcccat ctcacacttg 420

gatgattc 428

<210> 3826
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3826

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taatcgaata ccagtgacca aatttgattt caaaatgttt ttaactgatt tgcaatgttc 120

caaaatattt ttcaaatagt gtaatcgatt acctgtgtat ctgaacgttg gaattcaaat 180

ccaattgtga agagtcacaa cttttcataa aatgcattgt gtaatcgatt acatgactat 240

ggtaatcgat taccagtgat aacttttgaa taaaaggtca aaagttgtaa ctcttgacat 300

gattttctca aggttataac tcttccaatg gttttcttga tcagacatga agagtctata 360

aaagtaagac cttgacttgc attcaataga actttntaca actctttgac aatttttag 420

aacttctaag aattcctttc tactcatctc act 453

<210> 3827
<211> 445
<212> DNA
<213> Glycine max

<400> 3827

taataagtcc atctatggat tgaaacaagc ctcccgttta tggtatttaa aatttcatga 60

ggtcatttct tcatttagct ctgaagagaa tgtcatggat cactgtatat accagaaggt 120

cagtgggagt aagatttgtt tccttgtatt atatgtagat gacattctgc ttgcgactaa 180

tgataagggt atgctatatg aggtgaaaca atttctctca aagaactttg atatgaacga 240

tatgggagag gcatcttatt tcataggcat aaagatccat agagaaagat ctcgaggcat 300

tttaggcttg tctcaagata cctatatcaa cgaagtttta gagagattta atatgacaga 360

ttgttaccaa gtgtagctcc cattgtgaag ggtgacaaat ctgctttgag tcaatgctcc 420

aaaaatgatt ctgagcggga acaca 445

<210> 3828
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3828

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tatactctcc ctctgtagtg gataaagcca ccacctttg caggcttact ttctagctga 120

tagttgtacc gaatgcatta aagttatatc tagtgagtga tttcctagtg tcaaggcagc 180

caacataatc aaagtccaca agcccttcta tggcagctga actgtaactg ttcttatcag 240

ctctgccata agccagaccc tttccaagtg aacctttgat gtatctcaga atccacttca 300

aggattgcca atgcaccttc cttggatttg acatgaatat actcaccaaa ctcactgagt 360

atgctatatc acgtagagta tacaccatgg catacatcan agagcctatt gcatttgcat 420

aaggaattnt agccataaat tccttgtctc tttctgag 458

<210> 3829
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3829

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ttaattntat catgatttat tcattctgtt tttgtagccc acatcattaa tattataaga 120

gttataggtg gaaaaacatt agttaatttt acattgaaaa attgaaatga taattatttc 180

aaaataatct tttttttact tgataattat tatgggattg aggaactact ctcttttatt 240

taataatgtt agtttttaa aatatttttt cacctattta ttagtcttag gttgtttcac 300

ctatttttaa aaattattct aaataaagaa taataattnt ataaaactaa ccttattaaa 360

caaacgaaag aaagtactcc ctctatctat actaatcctc acgtaagaag aacaaatttg 420

ttctaaaata attcttattc tagattttaa tg 452

<210> 3830
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3830

nggacaaaat ntcccatgct actatgaata actccaccac atgaagcaac acctgccact 60

tgagcagaat tggccctagt gtaaaacagc taaaatttga actttgggtc taccaatatt 120

tattattaat tttttaaagt aaaaaatatc acacatgtta attaaaagac cttacatatt 180

attattttct ttaaagtaaa aaaatatatt ttaattttta ttctaggtct cattttctat 240

tggaccgaca cttcagttga gattaaaaat ttcactagga gaatagctcc aagtatttgt 300

attgtagcat cactaacaac atcgtgtcca ttggttgcag cacacaggta ttcacaacta 360

ttcttcatgt ccggaattag tgattcgatc aaaatactaa tcaacatatg cggagatata 420

aggtgggata gatgaataag atcact 446

<210> 3831
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3831

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agagaggcat agcagcaaca caagctgcaa ccatcaatgc ctgcagcaga ttgctgaggc 120

gctgttcttt aacttcaact ggcaaaaggt catcaacatc cttatctaca tcgaaaacag 180

cctcgtcaac aggggaatca atgtatccat gacttgaagc cagttggatg gtggattcct 240

tcagctcctt tagcccctgc ttgaagaaca atatatagga taaaggagag agagataaca 300

aatttcaagt caaattggaa atcataggat tatacttacc agggcaggtg gtatttggcg 360

ggctaatgga gtctgcattt ggtcatatgc ttcttgcata tttcggtata attgacacag 420

gttcatattt tt 432

<210> 3832
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3832

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tgaaagggac cccttgaccc agccaatcca cctttcatga aaccccattc ttcttatcat 120

ataaaagaag aattgcccag acacccagtc ataccctttc tcaaaattca ctttaaacac 180

caaacaaggg cttttagatc tnctaggctn ctcaacaacc tcataagcaa tcaatactcc 240

atgaagcagc tgtctgccct tgacaaaggc tgattgcctt tcatctaaaa ggtgattcat 300

aaccttgctc agcctattag atagaacttt agcaatgact cttgtaacac agcctatgac 360

ggatattggt ctgaaatcac taatgaatcg agggtcctta atcttacgga taacggcaat 420

gaatgatga 429

<210> 3833
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3833

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aaacccttttg aactacttca catagactta tttggtgcct ctagaactat gagtttgggt 120

ggtaattact atggcttagt tatagtagat gattactcaa gattcacatg gactttgttt 180

ttgaaaacca aagatgaagc ttttgatggt ttttgcaaac ttgccaaggt cattcaaaat 240

gaaaaaaggt cttaacattg tttcacttag aaggtatcat ggaggtgaat ttcaaaatga 300

gtctcttgaa atgttttgtg aagaaaatgg aattcaccac aacttttcta ccctaagaac 360

acctcaacag aatggtgtca tggag 385

<210> 3834
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3834

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tcagaataat taaaaatggg gggttgaatt aattattcct aaacctttac taattaaaaa 120

attactcttc taaggatttt actatgttgt taagtgaata aagagtagaa gagaaactta 180

accaaaacta aaagtggaaa ttaaatgcac agtggaaatt aaaagagtag ggaagaagga 240

gacaaacaca caagagtttt tatactggtt cggcaacaac ccgtgcctac atccagtccc 300

caagcgacct gtggtccttg agatttcttt tcaaaccttg taaaaatctt tntacaagca 360

aaaatccata agggatgtac ccttccttgt tctcttgaac aacct 405

<210> 3835
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3835

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agatgtaaaa taatcaaata tttaatttag atgtcaataa acaagaatat tattgtatcg 120

gatattactt atattagatt tgattttctt aaataacagt ttaaatttga gtattgtgga 180

taaaaaaata taattcaaat gagagatctc attaaagata atgactcaaa tacttcaaca 240

aaaattaatc atagataaaa cttattagta cttcacacca atgtttaatg ttttggtgat 300

aaaaaaaata aaatactatt gaaaaaaaag gaattagtct ttctatttaa tagattctat 360

atgattatat ccaataataa agaatatatt ttctcacata atagtaataa agaatatatc 420

gaaaagaaa 429

<210> 3836
<211> 404
<212> DNA
<213> Glycine max

<400> 3836

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ttatgatctt ttaagctaca gatacaatct aggttggaga aatcatccaa attcgagatg 120

ggcaagtcct ccacaacaag aatagcatgt ccctcccttc cagaatgttg ctagtccaag 180

caagccatat gttcctcctc caatagtgag gcaaatgacc atccataata tgcaatttca 240

gcaagagaca agagcctcca ttcagagtct gacaaatcat atggggcaga tggctactca 300

gttgaaccaa gctcagtccc aaaattcaga caaattgttt tcacaaacta tgcagaatcc 360

gaaaaatgtg agtgccatca ccttgaggtc tggcaagcaa attg 404

<210> 3837
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3837

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agaacccttt gaggtgtatt gtgatgcatc aaagatgggt ttaggttgag tgttgatgca 120

aaatggccca agtagtggcc tatgcttcta ggcaactcaa gactcatgag aggaattatc 180

ccacccatga tttggagttg gttgctgtag ttntttccct taagatgtgg aggcattacc 240

tgtttggctc caaatttgag gtgtttagtg atcataagag ccttaagtac ttgtttagtc 300

agaaagagtt gaacatacat canaggagat ggttagatga tgcaatccta ccccccccc 360

ccaagggcat tggat 375

<210> 3838
<211> 393
<212> DNA
<213> Glycine max

<400> 3838

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aaaagctatg aaaaggactg aaaatttaaa cagcagaatg agtttgtacc tgtacaaact 120

tggcaaagcc agacccaaga ggggatccaa tgtacagagc cattgaagct ccatttagca 180

aggatgcgta tactagccat ggccccatca tccgtccaag attagtgggc cagcacacta 240

catcaccttt acgaacgtcc atgtggcacc atgcatctgc agcagctttt agagagtaat 300

attggtccat ggaattgcct ttggatcacc tataccacca aatgaggtac attatattag 360

cttttggcta gcttcatatg gtgagtgaag tct 393

<210> 3839
<211> 422
<212> DNA
<213> Glycine max

<400> 3839

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atgggataat ttcttcattt ggttttgagg aaaaccccat ggatcaatgc atattccaca 120

aggtcagtgg gagtaaaata tgtttccttg ttttatatgt agatgatatt ttacttgcag 180

ccaatgatcg gggtttgcta catgaggtga aacaatttct ctctaagaat tttgacatga 240

aggatatggg tgatgcatct tatgtcatcg acattaagat tcatagagat agatctcgat 300

gtattttggg tctatcacag gaaacctata tcaacaaaat tgtagagaga tttcaaatga 360

tagattgttc accaagtgtt gctcccattg tgaagggtga taggtttaat ttgaaccaat 420

gt 422

<210> 3840
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3840

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ttgaagtaac ttgggatgag tataaaattt gtgaacaaac cactttggct aaggaaatat 120

tgtacatgtt atgatttatc atagaaaagc tctcaaagat gttaggtaca cctcaggttt 180

ttattataag aaattagaga aattgtattt tatactatca cttatttctg ataataagaa 240

taaaaaatag tataaatgta taccgtaaga tatagacatg aatggacacc gcattaatat 300

cttttatcaa atagatatct atttgattat ttcaaaaata ttattattgt aaattttagt 360

aaagtaacta ataataataa ttaggaatct catatttcta aattaatgtc taattctaca 420

t 421

<210> 3841
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3841

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agcatcactt ctggcactaa attgctggga gtttgaagcc atcttctcaa tcaaatttct 120

ggcttcagca ggggtcatgt ctccaagggc tccaccactg gcagcatcta tcatacttct 180

ctccatgtta ctgagtcctt cacaaaaata ttggaggcga agctgcttag aaatctggtg 240

gtgagggcaa ttggcacata gtttcttaaa tctctcccag tattcatata agctttctcc 300

actcagttgc ctaatgcctg aaatatcttt tctgatggtc gtggtcttgg aagcagggaa 360

atttttttct aagaatactt tcttgaggtc atcccagctc gtgatggacc ttggag 416

<210> 3842
<211> 415
<212> DNA
<213> Glycine max

<400> 3842

tctatagaag gttcatttct aattgctctt cttttgtatc acctctcaat gagctggtga 60

agaagaatgt ggcatttacc tggggtgaaa aacaagagca agcctttgct ttgctcaaag 120

aaaagcttac taaggcacct gttctagctc ttcttgatat ttctaaaatt gttgagctag 180

aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattt 240

tttatttttag tgaaaaactt catagtgcca cccttaacta ccccacctat gataaagagc 300

tttatgcctt aataagagcc ctcctgactt gggaacatta ccttgtttcc aaggaatttg 360

tcattcatag tgatcatcaa tcacttaagt acactagagg gcaaagaaat ttaaa 415

<210> 3843
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3843

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gccttcattt tgtactgtct tcatgcgatt cacttttctc tctccatgaa tattattttg 120

caaattacaa cggtgaatgt gtgcgaaatt gagttgcgaa ctaagtgtct atatttcaca 180

atgatccaac gattaacgag ttcgggatcc tagttttact agacaagttt tgagtctcta 240

cgaaaaaaga gaaaactacg atgtgaatga cttttctctt agctttgaca ttttttcaca 300

atttccaacg gtgagaatgc tcggattaag ttgcgaacct ggtgctgaaa tatcacgacg 360

atccaacggt taacgagttc gagatcatca ttttac 396

<210> 3844
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3844

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atcatataat tgattattta actgcatgcc ttgagtagga atttttgttg ttgttctggt 120

gtaggattat agcagcaaag tgtattttat gaagcaaacc gtgggtaatg cttgtggtac 180

aatagggttg cttcatgcac ttgggaacat aacctccgaa gtcaagcttg gtatgtttcc 240

aacaatcacg cagcctcagt taaagttntt agtatatcaa tcattaaatc tcattcagtt 300

gtgttgcttt tgttcttacc agttgaaggg tcattctttg ataagttttt taaatctact 360

gcaagcatgg atccattgca ggttatttgt ttcttcctag ccaaacctcc tctcttttct 420

ttct 424

<210> 3845
<211> 414
<212> DNA
<213> Glycine max

<400> 3845

tggttcccaa tgctctattc agactctctc ataatctgta tgtaaaccta gaatctctat 60

tagacactat gctagatggc acaccatgta atctaacaat ctcactaata tacaaggagg 120

tcaacttctc caaggaaaat atgatattaa tgggaataaa gtgagcaaac ttggtcagtc 180

tatcaacaat aacccagata gaatctaaat ctctaggggt cctatgtagt cctccaacaa 240

aatccatgga aatactgtcg cactttcact ggggtatctc caagggttgt aacttcccta 300

aaggcatctg atgttctatc ttagcctttt gacagactaa acatgcatac ataaactcac 360

taacctctgt cttcatgttg ggccaccaaa acattatctt cagatcttta taca 414

<210> 3846
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3846

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gttgttgtct aatagctttg gcacttgaca cgaggttgct attgtacgaa gagagagtgg 120

gggccacaaa cactttagtt agtagtgttt atggtagggt cgatggtcta gggtctaagg 180

tttaaggtgt atgttttact tattttaagg tttaggggtt agttagttta tggtttagat 240

tttacgtgat tagggtttat gcatgctatt taaatgagga ttgagtgtta taggttttcc 300

cattatagga attanggttt tgttagcatt gggtttaagg cttacttatt tttggggtta 360

gggtttatgg attttatggt tagcgtttac ttattttatg aattaaagtt taacatattc 420

ta 422

<210> 3847
<211> 421
<212> DNA
<213> Glycine max

<400> 3847

agctttaaac ttatacaaat attagctctg ataccacttg ttggacaagt ggcctcagat 60

atcttaagaa ggggggggttg aattaagata taacagacta ttccccaatt aaaaattcta 120

cttttaattt aacccaacaa cctatgattc cttttaaaca agaactccaa gataataatg 180

caaattaatc ttactaaata gaaataataa gcaataaaca ataaaggagt ttaagggaaa 240

agaaaatgca aactcagatt tatactggtt cggcgacacc cttgtgccta catccagtcc 300

ccaagcaacc cgcttgagag ttccactatc ttgcaaaatc cctttacaag ttctgaacca 360

cacaaggaca acccttcctt tgtgttcaaa tttctttaca acaagagacc ctcggtctct 420

t 421

<210> 3848
<211> 416

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3848

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aagttattgt cgctttaatt ggctcagagg ttcaacattc aatttcgagc gtttcgctat 120

attacgggac tcaatctaac atccgagtaa aaagttattg tcgcttgaat tggctcaggg 180

cttcaacatt caattttgag cgtctcgata tatgacgaga ctcaatcaga catccgcgta 240

aaaagctatt gtcgtttgaa ttggctcaga ggttcaacat tcaattttga gcgtctcgat 300

atgttacggg actcaatcag acctccgagt aaaaagctat tgtcgtcttg aattgctcag 360

agattcaaca tttaaattcg agcgtctcga tatactatgg gactcaatca gacatt 416

<210> 3849
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3849

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cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120

gaagatttcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgcct gcactgcctt 240

gggagagagg ataacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300

atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360

tgaactcatt ggttctcttc anacctttga gctaggactc tcggataggg ctgaaaaga 419

<210> 3850
<211> 333
<212> DNA
<213> Glycine max

<400> 3850

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gcttagtctc atgaagaaga ccaggatcat tagcaagata tcatcaacat acataattag 120

atagaggacc ttacttccac tgaccttcaa atatatgcac cgatcaacat tgttttactt 180

aaatgcgaag gaaacaatgg tttcattgaa cttgagatac cataggcggg agacttgctt 240

aagactatat attgatttct tataatgtgc acattttgta tttctttgct tgaactaaga 300

gtcccattgg ttggtgcata tgaacattct tct 333

<210> 3851
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3851

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tgcacccgac gacttaccac tgagcaaaaa ctctattctt ctctctcttt tggaccaaag 120

taatggcaag tctgtggggc acagtaatat tttctttccc atcaagacct ntggatgcaa 180

cttgtgatcg tatccccata tcagctagac cttgacgggt attcaagcaa tcctttgtct 240

tgccttgaat gttaaggagc gtcccaatca cactgtcaca aacatttttc tccacatgca 300

ttacatcaat acaatgtatt acgtctagat cagaccagtg ctaaagatta aagtaaatgg 360

acctcttatt ccatatgcac tcttacttta ttcttctttt gggtctttcc aaatccattt 420

<210> 3852
<211> 428
<212> DNA
<213> Glycine max

<400> 3852

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gtggatggtg cctcccctat cctcttctcc tttgccttcc gctgcatctc catggtgaaa 120

aatcaccatt gaaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180

gcaagcttcc atcatgaatg aagtgatttc taatgttagt gtgtttagtc ctctcatgat 240

ggacttgatc cttggcaaaa caaaatgcat ttagacagtg gcaaaaaatg atagcctttt 300

ttttgtggaa acccaagatt gctaattaga cccttcagcc aagttcattc ctttactggt 360

tcttccaacg ccatgtactc tacctttgta atggatacag ccaccatggg ttgaagtgta 420

gtcttcca 428

<210> 3853
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3853

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cagtgggctt tccttctgtg tccagcatct tgggatgttc ccagcctttg atgacagctt 120

tccaggttct gctatccagt gatttgagaa aggccaccat ccttgctttc cagtattcat 180

agttggtccc atccagaatt ggtggtctgt tcactggtcc gccttctttc tccatgttca 240

tcagaatcta tctccctaga tctcactcag tgatttcgag tgcctgctct gataccaatt 300

gaaattctga tactggggac agatgtcgta caggatgtca cgacatcacg cttcagaaca 360

tgcagattgt ctttgactgt ttgaacagat ttaa 394

<210> 3854
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3854

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actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120

tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180

cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240

tgatggtggg ggaaactggc acatagtttc ttaaatctct cccagtactc atacaggctc 300

tctccactga gttgtctaat acctgagata tccttcctga tggctgtggt cctggaagca 360

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gc 422

<210> 3855
<211> 394
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3855

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tgaaacactc caaattgaaa atggaagctc gtatcaaatt caaacgacaa taacttttta 180

ctcagatctc caatagagtc ccgtaatata tcacgacgct ccaaattgaa attggaagct 240

cgtatcaaat tcaaacgaca tttactttta acttggatgt ccgattgagt cccgtaatat 300

atcgcgatgc tccgaaatga aagcagaagc tctaagcaaa ttcaaacaac aataactttt 360

tattcggatg tccgaataag tcccgtaata tatc 394

<210> 3856
<211> 421
<212> DNA
<213> Glycine max

<400> 3856

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tgttgcaatt cttctagact tagagtgata acatgcagtc ctcttgatcc cttatctctc 120

actgtctcgt tatgccgaga ctccgaaacc acaacaagtt ttatcttttc catgtactcg 180

aaacaaaact cagtagcttc tttcgcaatg tacttttcaa caataaatgc ttcaagacgg 240

cgtagattct ttgtataccc ttttaagatc ttcatgtatc gctcaaccgg gtacatccac 300

cgcaaataaa tgggaccaca acatttaatt tccctcacca aatgaacaat taagtgaacc 360

gtgatgtcga aaaatgaagg aggaaaatac atctccaact gacacaagat aatagtagtc 420

t 421

<210> 3857
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3857

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cgagaaaagc aacacatggg agttagtaaa tcgtccccat ggaaaagata tcattagggt 120

taagtgggtc tataagacaa agctcaaccc tgatggcacc atacagaaac acaatgcgag 180

gctagtagct aagggttact cacagcaacc cgaaattgac tacaatgaga catttgcacc 240

agtagcttgt cttgatacca taagagctct aatagctctt gcgtcacaaa aaggatggag 300

tatccatcaa ctagatgtca aatcagcctt ccttaacggc gtacttgaag aagagatcta 360

tgtggagcaa ccacaaagat tcgtgtctga aggcaaagaa aacaaagtg 409

<210> 3858
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3858

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gttatctttt ccattattca atacaaaaca tttacaacta aagatatgaa gatgtgagat 120

gtttggttnt ctgccattga acaattcata tggagttttc tttaagatgg gtcttattaa 180

agccctattt aaaatgtagc atgcagtgtt aacggcttca gcccaaaatt tttttggaag 240

aggtgtatca tttaataaag ttctagcaat ctcttccaaa gatctatttt ttctttcaac 300

aacaccattt tgttgagggg ttcttggtgc agaanaatta tgctcaatcc catgcttatt 360

acaaaataat tcaaattctt tattttcaaa ctcacccccа tgatcactcc taat 414

<210> 3859
<211> 331
<212> DNA
<213> Glycine max

<400> 3859

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cctctgctga ccaccataca gacctttgcc ctttcatgca gcaacctgga gcaattgagc 120

agcctgaagc ttatgctgca aatatttaca atagacctcc tcaacctcaa cagcaaaatc 180

aaccacagca gaacaattat gacctttcca gcaatagata caaccctgga tggaggaatc 240

accctaacct caaatggtcc agccctcagc aacaacaaca gcagcctgct ccttccttcc 300

aaaatgttgt tggcccaagc agaccataca t 331

<210> 3860
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3860

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accaattcta ctgctccgag aggtctgact tctttgatta tgaacggccc tgaccatttg 120

gactttagct tacctgggaa tagccttagc cttgagttaa aaagtagtac atattgccct 180

ggctggaatt ctttcctttg tagcttcttg tcatgatatg ccttcatctt ttgcttgtag 240

attctggatg actcatagga attcagtctc atttcttcca attccagtaa ctgtagcttc 300

ctctttttctc tgcatgcact atcatcgaaa ttaagcaatt tgagagccca atatgctttg 360

tgctccaact ccactggtaa gtgacatgcc tttccatata ctagctgaaa t 411

<210> 3861
<211> 386
<212> DNA
<213> Glycine max

<400> 3861

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taaaaaggga aaaggtcata ttgtagccga tgctctttct cggcgtcatg cattactttc 120

tatgcttgaa acaaaattga ttggtcttga atgtctgaaa agcatgtatg aaaatgatga 180

aacttttgga gaaatttta aaaattgtga aaaattttca gaaaatggtt tctttagaca 240

tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt 300

tcttgtttgt gaagcacatg aaagaggttt aatggggcat tttggggtcc aaaagactct 360

ataaacatta caagaacatt tttatt 386

<210> 3862
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3862

agctttggaa agcgtnngtt tttatttttct cgctaagcca aaaggggggct ccactcattc 60

aaaggcaaca atctaaaaac ctgagaagaa gttgttgaaa agtttctaaa gaaatacttc 120

ccagagtcca agactgcaga agggaaagct gcactctctt catttcatca gattcctgat 180

gaatttctga gtgaagcatt ggagagattc agaggcttgt taagaagaac tcccactcat 240

gggttttccg agccaatcca attgaatatg tttatagatg ggctgagacc acaaaccaag 300

caactgttag atgcttctac aaggggaaag ataaaattga agaccccgga agaagctaca 360

gagctgattg agaacatgtc agccaatgat catgccattc tacgagacag acacccat 418

<210> 3863
<211> 411
<212> DNA
<213> Glycine max

<400> 3863

ctaaactttg tacaagaatg aagctctgta taccacttgt tagacaagtg gcctcagata 60

tcttaagaag ggggggggttg aattaagata ttccaaactt ttctcctaat taaaaatcta 120

tcttactttt tacttaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180

aatgaagcaa cttgaatata aatataaagc aataataaat aaaggagatt aagggaagag 240

aaaatgcaaa ctcagtttta tactggttcg gccacaccct tgtgcctacg tccagtcccc 300

aagcaacccg cttgagagtt ccactaactt gtaaattcct tttacaagtt ctaaacacac 360

aaggacaacc cttcctttgt gtttagagat tctttacaac aagaaactta c 411

<210> 3864
<211> 422
<212> DNA
<213> Glycine max

<400> 3864

tgaaggtaaa ctagatgcct tggttaactt ggtaacttat ctgaccatga atcaaaaatc 60

tgcacctgtc gccagactct gtgatttatg ctcctctgtc gaccactaca tagacctttg 120

cccttctgtg caacaatctg aagcaattga acagcctaaa gcttatgctg caaacatcta 180

caacagacct cctcaacctc agcagcaaaa tcagccacaa cgaaacaatt atgacctctc 240

cagcaacagg tacaatctcg ggtggaggaa tcatcctaac cttagatggt cgaatccttc 300

acaacagcag caacaacaac aacagcctta ttttcagaat gctgctggtc caagcaaacc 360

atacgttcct ccaccaatcc aacagcaaca acagcaacag ccccagaaac aacaaacagt 420

tg 422

<210> 3865
<211> 393
<212> DNA
<213> Glycine max

<400> 3865

tgccgccacg gagttttccg actatgctct tgtgttttgt atcaagctac aaaaggagag 60

agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtggag caacaattaa aaaggaaggg agt 393

<210> 3866
<211> 424
<212> DNA
<213> Glycine max

<400> 3866

gtgagcaaat tcaaacgaca ataactttgt actcggaatt ctgattgagt cccgtaatat 60

atcgagacgc tcgaaatgga ataccgaagc tctgagcaaa ttcaaacgac aataactttt 120

tactcggatg tcagattgag tcccgtaata tatcgagacg ctcgaaatgg aataccgaag 180

ctctgaacaa attcaaacga caataaattt ttactcggat gtctgattga gtcccgtaat 240

atatcgagac gctcgaaatt gaataccgaa gctctgagca aattcaaacg acaatcactt 300

tttactcgga tgtctgattg aatcccgtaa tatatcgaga cgctcgaaat tgaatatcga 360

agctctgagc aaattcaaac gacaatatac ttttactccg atgtctgatt gagtcccgga 420

atat 424

<210> 3867
<211> 424
<212> DNA
<213> Glycine max

<400> 3867

agcttctaca ttcaaattcg agccttttta tatattacgg gactcaatcg gacatccgag 60

taaaaagtta ttgtagtttg aatttgctca aggcttcggt attccatttc gagcgtctcg 120

atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgtcgttt gaatttgctc 180

agagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatcgg 240

agtaaaaagt tattgtagtt tgaatttgct cagggcttcg gtattccatt tcgagcgtct 300

cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttggaattgc 360

tcagagcttc tacattaatt tcgagctttt cgatatatta cgggactcaa tcagacatcc 420

gagt 424

<210> 3868
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3868

tttaaaanaa tgaagataaa aataaaatag tgagtatatt attaatttct aaattattta 60

atacaaaata ttcaaaatat aaaataaaag tttcttgccc gtacaacaat tttatttaac 120

atattaaaat aattattaaa ataaaagttt cactattttt ctcatattaa aataattatt 180

ttaacatatt aaaataatta ctaatatact gaagaaagag taatagagcc acacttcaaa 240

tcatttatgt atgttcataa tctatttaag gcaaaaattt ataataaatc ttttcttttg 300

tgggactcaa tcctaaatta tttaaaatat aaaaaaagat aacatgttat tcaattgaca 360

ctactagaaa aagctgtttt ttcttttatt aattaattaa 400

<210> 3869
<211> 336
<212> DNA
<213> Glycine max

<400> 3869

taaagttatt ggagggagaa taaaacaaat cattttcttt tgtaccctcc aagtaacgaa 60

gaattctttt tgcggctttt atatgagtag aggtaggagc cttcataaag cgacacacaa 120

ctctcaccgc atatagaata tcgggccttg tattggttag atacctcaaa ctccccacaa 180

gactcttgaa gatcgtgggg tctaccttct ctccttcatc aaactttgat aacttcaagc 240

caccttccat aggtgtgttc acgggattgc aatcaagcat attaaatttc ttcaacactt 300

attttgtgta gctttcttgt gagacaaaga ttccat 336

<210> 3870
<211> 365
<212> DNA
<213> Glycine max

<400> 3870

agctataata gcaatctttc tttttgttga caagtttcag tagtccagct gtcttgatga 60

ggtacatgat ctccttgcaa tccaaggcat ttcttcccag ttctctttct aaagcaagcc 120

ttcgttgata tacaaatttc caccttttcaa cattgccaat ggagtggaaa gaaatgttgt 180

ccaatggagc atcagggaca tttccaggca ccttttttccc tgatttcttg gcccgcttga 240

tgtcgagaac atctggctcg acattatcat cagaatcaga tgaggaaatt tctttcctct 300

tcttggacgg gattgcaact atgctccatc tggatgcggt aagagtgagt ggagtgctct 360

tcttc 365

<210> 3871
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3871

agctttttat tggaancttg tatttatgac aacactctga tttctgaaat ttttgggata 60

aaaatggtta ttgactagtc ccttttccat gacttaacca aattacccag tgacggtgta 120

ccatttgaag gtacagtgaa tgacgactgg aaatttgatt tctctgccca tgatgcccgc 180

cagttggttt gcaccaacaa tgcggatatg accggacgtc ttcttgccgg gtcattggct 240

tttgaaagcc gcatccttca ctatttaatt gtacgtattt tgcttccacg gtcttccaac 300

cttgcccagg tttctgagga agatctaatt atcatgtggg cctttcatac agggcgtcaa 360

cttgactggg cacacttagt cagatatcgc atg 393

<210> 3872
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3872

gctggactcg ttgtgcagtg atttccttgg caatntgatg ctcagaaaca tcaatatcta 60

ttactccatc agagggtctg cccagacatt tgttgatcac agccggtgag aatctaatac 120

actttcctct gacaaacact ctttgataat catcactctt tctgtttgat atgtcagagg 180

gaatgttgac aatgaattcc ctgactaagc cttcatagca ctctcccaac ttgctgacag 240

tcttcagcag tccagcagcc ttgatgagat ccacgatctc cttgcaatcc atggcagctc 300

ttcccagatc tctttccaaa gcaagtctac gttgatacac atatttccac ttttcaacat 360

tgccaatgga gtggaaagag atgttgtcca at 392

<210> 3873
<211> 437
<212> DNA
<213> Glycine max

<400> 3873

agcttcttca catagtccgc ctttgcttga ccttctttat gcttaaaaac agaaacatta 60

ggcataggca aaagatcaag aggagttagt gggttaaaac ataaacaac ttcaaaagga 120

gaacaattag tggtgctatg aacagctcta ttgtaagcaa attcaacatg gggtaaacaa 180

gcttcccaag tttttaagtt cttcctcaaa actgtcctaa gcaaagttcc caaagtccta 240

ttaacaactt ccgtttgccc atcggtttgt gggtgacaag tggttgaaaa taacaattta 300

gtgcccaact tgctccacaa agtcctccaa aaatggctta cgaacttaga gtccctatca 360

ctaacaatgc tccttggcat accatggagt ctcacaatct ccttgaaaaa caaatcagcc 420

acatgggaag catcatc 437

<210> 3874
<211> 322
<212> DNA

<213> Glycine max

<400> 3874

ctatgctctt gtgtggcgga acaatctaca aaatgttaga gcaagaaatg aagagccaat 60

ggttgataca tggacggaga tgaacaatat catgaggaag cggtatgtgc cggctagtta 120

ctcaatggac ttgaaattca agtctcaaat actaacccaa agcaacaatg gggttgagga 180

gtatttcaag gaaatggatg tgctcatgat tcatgcatat attgaagaag atgatgaggt 240

tactatggct cgatttctta atggctcgac taatgatatc cgtgatattg ttgagcttga 300

cgagtttgtt gaaatggatg at 322

<210> 3875
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3875

ngccgccacg gagttntccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60

agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtggag caacaattaa aaaggaaggg agtggctaag aggagttnta ccaactttgg 420

ttcttctagt tggaaagaca aaggtaagaa agat 454

<210> 3876
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3876

cttcctacga aaactgtcta tgctccacat agttagggcc actagacgca ttctgcatct 60

ctcangcatt gaacatatgt tatcccctag taaattctag ggtagagtgt ttagttttct 120

actaaccctg attggaaaag aaaacaaagg ataagcatta tggtttccta aaactaagta 180

tatttataaa acactatatt acgaaatgga gcattccaaa tgctttttt aaacacaatc 240

tgtttatcca atgctcaaat gctcaagatt aggattaggg gtgttcatac tcggtttgat 300

tcggttattc attaaaaagt catctaaacc aaacttataa acaatatgcg attcaatttg 360

gttcaatttt cattaaaaat ataatctgaa tcaatccaaa ccaatattgt acggtttgat 420

ttttgcaatg tttactaaaa cattatttca ttaaatgnta tatac 465

<210> 3877
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3877

agcttgcttc tcctgaatat caaattcatt ttaggaaaaa gaattggaca aattangatt 60

atttagtagg gcactaactg aaattaaatt gaatttgatt ttaggaatgt aaccaacatt 120

atgcaagact aaggtgttgg ttaagcaaac tgaaccaatg gcaagaatgg gtataatgtc 180

actattagga agagttacag ttttatcaaa aacaagctga tgagatctaa aattatgaag 240

agagcaagta atatgaatgc ttgcactaga atctaaaagt caacaatcat gaagaaaatt 300

ggaagtggaa gtagaaagaa tcataccact tgaggaagaa acactgtgag gaatgacaac 360

attggtagca tgactttgta aaagattcat caattgacta tattgttgag cagtaagttg 420

aaactatgaa cccaagtcaa cagaag 446

<210> 3878
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3878

tggacaatgg cacggaaatc ttgctaaaat cctagataaa tctcttgtaa aacttggatg 60

tcgcagaana gaacgtactt cccgcacaga tgcgtcgtaa ggaagagaag taataacatc 120

gatctttgcc ttatcgacct caatacctct actagagact gaatgcccta agactatacc 180

tccatggacc ataaaatgac atttttcaaa gttaagaaca aggttagtct cagcatcggt 240

caagaactct acagaggtta tccaaacatg catcanagga agaaccataa acaatgaaat 300

catccataaa caccttcata caactctata ataaatcaga aaagatactc accatgcacc 360

tttggaaggt gccaggagcg ttgcatatgc canagggcat cctggtgtag gcaaatggga 420

taaatgatct cggcaactag tagcttcata acctctttct tcatcaca 468

<210> 3879
<211> 440
<212> DNA
<213> Glycine max

<400> 3879

tcatgatgat gaactaagca attatgatga tgcctaaagc ccaagtgatt gattcaatat 60

tgattcaaga cttcaagatc aagcatcaag aatccaatcc aagattcaag attcaggaga 120

agaaatcaag aagcaacaag tcaagacttc atattggata agtattaaaa gaatttttca 180

aaaaccaaat agcacagttt tgttttacga aagaattttc tctaattctc taaagttaca 240

gagtgattac tctctggtaa tcgattacca gttaacagta atcgattacc agtgaccaga 300

ttggttttca aaatgctttc aaatgatttg tgacgttcca aaatgatttt caaatagtgt 360

aatcaattac actatattag taatcgatta caagtgaatc tgaacgttgg aattcatatc 420

caattgtgaa gagtcacaac 440

<210> 3880
<211> 450
<212> DNA
<213> Glycine max

<400> 3880

tgcttgtcca cctgagggtt ccaatcttgc tcgtagaata taacctataa aatgccatgc 60

aatagtaaat tctcaaaata tgttttaaac agagtacact tactctaatt gttgtgatac 120

attccataat tagcacagaa tttattttgt aattagtaca gatttgatta gtacagattt 180

tgttccattg tattttgatt tgtactgatt ttgtttcatt gtatgtcttt ccttaattaa 240

gtcgctagca gcttataaat aagtcatgta ttcactctgt gaaatacaga attataataa 300

tatttatatt attatctttc aagtataata cttgcaggtg ataacataaa cttacaataa 360

tttaacccac ctgttaaaga aatggaagtg ctattccagc ggattttatg attaacttaa 420

taagctactt ctcattctcc cataattaat 450

<210> 3881
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3881

nggtcgtgta ttgagcacta gatatgaggg aaccccaact gcctacatac taattggcaa 60

ttgacttttc ttgtggcttt gctgaaagca tattatataa cttttatgtt tcgtaatgca 120

tgatgtatca aactatatat gatgtatcaa actagtttat aaagtacatt atcatatgac 180

tgaaaagctg cttataatga atatttttat gcatggccac ttgtttataa atatacataa 240

taccaaagaa agaaacacca cgtgcatcat gcttcttctt gcttataatc aatattgatt 300

tgcagatatt gggagaatga gaaggtgcgg ttagattaca ggccagtgca catgaatacg 360

ttggatgatg aggtggaatc attcctcct aaagctcgtg tttattagta ttcttgtaaa 420

ttattactat ggatgatcta ta 442

<210> 3882
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3882

agctntataa attcatcatt gttaatattc tctacacaaa aacttaaatg atgttaattt 60

aacaagtatt tgctcaaaaa ggaaaaatta taatagaaaa attacaaatt cctctataat 120

tgaaccccca aaatatactc ataattagca tttataaggt ggattgtgat tttagaagat 180

gtaaagcctt tttgttcaac aacaaagtta tcatttgaag tataagctta acaaaattga 240

taatagattt ttgtaagaca aattcatatg atagaaatag attttgcaaa acaaaataag 300

tttttcaaaa attaaattaa attcaaaccc taagccaatt taaaacagaa gattaaccag 360

aagaatataa gacacaaaga tttatattgg tttgtgccta ccactaagaa tacattc 417

<210> 3883
<211> 425
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3883

agctntactg cctgagaatt gcggtgtcct agcctattgt gcaaatgtat agagttaggc 60

acagtgttat tacaagcaac agaagaaaca gtgtttatac aagctggaga agacagctga 120

gaagaattga agattgggaa actgatacga tccatcaggt ccaacatctc cttgtagaag 180

gatcatattg gaatcctgng atttaacaaa gcaatgatta gcatggaatt caaagaaaac 240

atgattatct ttggcaaatn tacttacact aatcagattc ttggtgattt gaggaacaag 300

aagcatgctt ttaagaataa gtttgacatt aggactgaaa ggagaaacaa aattggagtg 360

accagacgct gagatattca gacctttgtc attaccatga agatctgatc ttcaaaacga 420

gaagt 425

<210> 3884
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3884

agctntacaa gcccttcgac cttggcttgg ttagctttca cctcctcttc actaaatgta 60

gcattgcctt tggtgaaaaa ttggacatgt accttcctaa tggatcctcc atttgagcct 120

tccaccaatt tgctttcaaa tgaaaccttc tccaatgtgt cagacaaggc agtgcccccg 180

attatgctga agttatatac ataggctgcc tcatcaattg catcaactct gtgcagcaca 240

tactttgttt tgtcacctgc atatgcaccc attaattcat ctaattaaaa tcatgactaa 300

tttcattaat ttgtactatg tattataatt aaggttttaa atattggtcg caatagtatt 360

attgcgattt atcagtttgt tgatattgca ataaagtaca gacaaatatg actgatgcaa 420

tc 422

<210> 3885
<211> 408
<212> DNA
<213> Glycine max

<400> 3885

tcaacattca atttgagcgg tttgatatat tacgatactc aatcagacat ccgagtaaag 60

agttattgtc gtttgaattt gctcagagct tcgacattca agtccgagcg tctcgatata 120

ttacgggact caatcagaca tctgagtaaa aagttattgt cgtttgaatt tgctcagagc 180

tttggtattc catttcgagc gtctcgacat attacgggac tcaatcagac atccgagtaa 240

aaaagtgatt gtcgtttgaa tttgctcata gcttcaacat tgaattctga gcgttttgat 300

atattacgag actcaatcgg acatccgagt aaaaagttat tgtcgtttga atttgctcag 360

agcttcgaca ttcaagttcg agcgtctcga tatattacgg gactcaat 408

<210> 3886
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3886

agctntgagc aaattcaaac gacaataagt ttttactcgg atgtctgatt gagtcccgaa 60

gtatatcgag acgctagaaa ttgaataccg aagctctgag aaaattcaaa cgataataac 120

tttttactca gatgtctgat tgagtcccgt aatatgtcga gacgctcgaa attgaatacc 180

gaagctctga gcaaattcaa acgacaataa ctntttactc ggatgtctga ctgactcccg 240

taacatattg agacgctcga aattgattat cgaagctctg agcaaattca aacgacaata 300

actttttact cggatgtctg attgaatccc gtaatatatc gagatgctcg aaatggaata 360

ccgaagctct gagccaattc caa 383

<210> 3887
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3887

tatacagcct angatgtggt tntgtgacta aattcaattt agacacaagt cttgcacttg 60

ccacattggt acaactcccc ccatcaatga tcaccatgca aactttgcca ttgatcaatc 120

atctagtgtg gaaaatgttt tctctttgag tttcctccaa agacttcaat tgatggccaa 180

gtaaccgcct aatcatcaac aattcttcct ctagtgtttt ctccacttcc ttctcatcat 240

cctcactctc ttctcccttt tcaacttcgg actcactaat gtactctcca tctctaagaa 300

atcatggctt tcttgttagg gcattcatat gcataatgtc ccaagccttg gcactgaaaa 360

cacttcacat cccaactctt ttttgaagac tgttcttgga attttggagg agttttcgat 420

ggtataggtg ttgca 435

<210> 3888
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3888

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ttaaaaaatg aacaaaggcg gttttctatt tacacccgtt gtacaaataa gtcctacaaa 120

gacgggtctc gaagaccgcc gtaattatct taccactatt tacaaaaatg tcactgaggg 180

acattctaag acggttcctg caaactgcct tagaatgtgc gtcctaaaaa cagctccttt 240

tagtagtggc catgtcctat ctggctgcat catgcaaagc aagaatctga gtgtctcact 300

agagagatct caacaccttt agggtaccac aagtcgacat gtaaggttcc tctaagatac 360

ttcatag 367

<210> 3889
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3889

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tgctttctat tgcatcactt gtcatatact tggaacgaaa ctgaaatgaa ccactgtcac 120

tctcttggct accggcatca gaaccatgta aggaaaaacg aagactatgt ttacctttat 180

gaagtgattt tgatctatga tctctaccat cggcgattcc atgcatatgt tcatatttgc 240

taattacaga tgagccagag gaagggtggg gattgaataa atgggactgg aagccagata 300

agtagcctgc agatcgctga ccaggatgat gcagtctatg ctgctgctgt tgtaatcgag 360

ccatcaagtg atgagatacc gatccattat gaaggtgtaa ttgttgctgt aacatattat 420

taacgagatn tgaatgatct ccatgataca acc 453

<210> 3890
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3890

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gataaaggta gtgacgccat gtcatcaaag cccgcactaa ggcatacaac tccttatgat 120

aagttgaata gctaacggta ggaccactta actcttcact aaaataagca attggatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

atttttgaaa gtttggcaac gcaagtatgg gggcattagt tagctcttgc ttaagaacat 300

tgaaagcttg ttcttgtttc tctccccatt tgaaaccaac attcttcttg agcacttcat 360

tgagaggtgc tgtcaaatgt gctaaaatcc ttcacacatc gtctataaca acttgataag 420

ccatgagaac tcctcacctc ggtcacagac tt 452

<210> 3891
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3891

agcttganat tgatcaacag atgctctcga gaaattcaaa tggtcataat tggttacacg 60

gaagtccgat tcatgcgcat aatatgccga gacgctcaaa aatgagcaac ggaagctctc 120

gagaaattca aatggtcata acatatcaca cggaggtccg attccggcgg atagtatatc 180

gagaagctcg gaattgcacg acgaaagctc tcgagaaatt caaatggtca taacttttaa 240

aacggaagta agattcaggt gcataatata tccagaaagt tgaaattgaa caacggaagc 300

tgtcgatata ttcaaatggt cataacttat cacacggaag atcgattcag gcgcataata 360

tatcgagacg ctcgaaactg aacaacggaa gctctcgaga aattcanatg gtaataactt 420

ttcaaacgga agtctga 437

<210> 3892

<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3892

ggcgccaatc taacaacttc ctttaggctt catctagtta aatactaaca catattagga 60

tagcagttat tgtctcaata attctataaa ctacaactaa gcaataagaa gagtgtgctt 120

gatatatata attaatttta acgtgtccaa ccaaatataa agtagtccaa gcttcggttg 180

gacatgtatt catagatcaa catttttttct tcttctatgc agcaacctac aagctntaca 240

agattagggt gccgaagttt gacaattagt gccacttcat ttttgaactc atccaaccct 300

tgtccttgta acatcccaat ttttgtaatc tatattaaaa aggagtgtta tttataaata 360

aatagagttt tagaaaaatg atgagattct ataaataaat aaataaggcg atataattat 420

taattaagat aatgatttga gagagaataa 450

<210> 3893
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3893

tctaaactnt atacaagaat gaagctctga taccactttn tagacaagtg gcctcagaaa 60

tcttaagaag gggggttgaa ttaagatatt gcaaactatt cccccaatta aaattctatt 120

tcactttcaa tgcaagttac aaattccctt aaaaataaac tcttaaataa tgattcaaat 180

agaacaatct gaatataaat ataaagcaat aataaataaa agattttaag ggaagagaaa 240

gtgcaaactc ggatttatac tggttcggcc acacctttgt gcctacgttt agtccccaag 300

caacccgctt gagagttcca ctatcttgta aaatcctttt acaagttctg aacacacaag 360

gacaatcctt cctttgtgtt cataattctt ttacaacaag agaccctcgg tctctcaatc 420

ccctttgaga atttagaaag aagagaagaa tgaatctctc ttg 463

<210> 3894
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3894

tataaaacta agcttaaggc aatccttctc agttgatgtc cacttctaca tctattccat 60

atgctgagtt tcctacttca aatgctactg tcaataatac ttctaatatt gcttcaaatt 120

ctgatgttac ctcttccagt agtgctaatc tttggcatgc tangttaggt catcctaatg 180

agcatgtaat gaaaattatt ctcgaatagt gtaatatttc tcaactgaat aaaaacatca 240

cagagttttg ttcctcttat tgtatgggta aagctcatag gttaccctct cacggctcaa 300

cttctgttta ttcaccttta gaattcattt tcactgacct atggngaccc tcccatgtta 360

cctcttatgt tggctataca tattatgttt ccttcattga tgctttctct angtataaat 420

ggatatttcc tataaagtc 439

<210> 3895
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3895

gggtcttaat tataaaaaga tagatgcttg tccaaaacac tgcatgtnng tattgggaga 60

tgatgaanaa agtttggatg cttgtaagca ttgtggtaca tctagatgga aacccaacaa 120

gaagaagaaa atagctgcaa aggttntacg ttactttcca ttgaaaccaa gattgcaaag 180

attgttcaca tgtcgtaaga ctgcaaaaga tatgagatgg catgttttgg aagacaataa 240

agatgggttg taaggcatcc aagagatgga gaggcatgga agacantttg attaatccat 300

cctgagtttt cttcagatcc tcgaaatgtt cgtttaggcc ttgctactga tggttntaat 360

cctgctagga ccttgagttc tacctatagc atctggtcna gtttcttaat tccatataat 420

cttccacctt ggatatgtat gaaccaca 448

<210> 3896
<211> 434
<212> DNA
<213> Glycine max

<400> 3896

agcttggtta atgggaaggc cagatatggg tggagtgaca aaagttatag tttgcttctt 60

aaagtagtgc acgatatgct tctagaggaa aacaagttgc ctaaaagtta ctatcaggcc 120

gagaagatac tgtatagaca tgaatttcaa gaaatgccca agtgccctag gtgtggggta 180

tcacgataca aagtgaagga tgatgcggag tatattagtc atgaaaactc aaacaagggc 240

cccccagtga aggtgttgtt gtatcttccc ataattccaa ggtttaagca tatgtttgct 300

aatagagacg atgtaaaaga ccttacatgg catgcagatg gaagaaactg cgatggaatg 360

ctccatcatc cggctgattc ctcccactgg aagaagattg atcgtttgta tccagatttc 420

ggcatagacg caag 434

<210> 3897
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3897

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ccaaaggttt gtttcttcgt caagttttgt taaaggtgtc cctttctgtg tgtctgtgaa 120

tgtataatct cttattcata tttgcgattt gatgcaaagt gcttttgtcc acagtcatgc 180

ttgtgaataa tgattttggg tgataaaata tcaacaagaa ccatatcaag acattgtatt 240

aatataatga aaatttttctt gtctgcaaca ttgagaacca ataggatctc cctcagctca 300

gttctatgat tccctttgat ttgacagggt gttatgatta ctcatggaaa cattgtagca 360

acaacagcag cagttatgac aattattcca aatcttggta gcaaggatgt gtacatggcc 420

tacttgcccc tt 432

<210> 3898
<211> 416
<212> DNA
<213> Glycine max

<400> 3898

tccattgttc aatttcgagt gtctcgatat attatgcgcc tgaatcggac ctccgaatga 60

aaagttatga accattgaat ttctcgagag ctacctttgt tcaatttcgt gcgtctcgat 120

atattatgcg cctgaatcgg acctccgagt gaaaagttat gaaccattga atttctcgag 180

agcttccgat gttcaatttc gagcgtcttg atatactatg cgactgaatc taacctccga 240

gtgaaaagtt atgaccattt gaatttctca agagcttccg ttgttcaatt ttgagcgtct 300

ctaactgtga tgcgcctaaa tcagacattc gagttgaaaa gtatgaccat ttgatttctc 360

gagagctttc gatgttcaat tttgagcgtc tcgatatatt atgcgcctga atctga 416

<210> 3899
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3899

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tcaccattgg gagatataat gacaaggtgc tgtgtgatgt ggtcccaatg gaagcgaccc 120

atgtgctgtt aggaagatcg tggcagtatg ataccaaggc agtgcatgat ggcttcacca 180

acaacatctc tttcaagcaa gctgacaaga agattgttct caaaccgtta tctcctcaag 240

aggtttgtga ggatcagata aaaatgagag aaaagaaaaa gagtgagaca cttgagagga 300

aaaagagtga gacacttgag aaggaaaagt gaggaaagaa aaagagtgaa acacttgaga 360

gggaaaagag agaaaacaaa aagagtgaaa cacttgaggg caaacagctn tatttagcaa 420

caaaaaggga ggtgaggagg gtgctttg 448

<210> 3900
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3900

agcttccaga tccatttcag gctgcgctag catcagcact ggcattatct gttggcgttt 60

tggcgccacc gatagctgct gtgtttataa ggaatcacaa gattagaatg ggagttgttg 120

ctgctgcggt tagcttggca ttgttggtgt ttggaggagt aggggcagtt cttggaaaaa 180

ctccggtgac aaggtcttgt cctatggttc tggttggagg ttgcatggct atggacataa 240

cattnggcct caccaaattg atcggctctg ttgatctatg aatgtgattg tttactagtc 300

attcaagtac actcccata 319

<210> 3901
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3901

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gtctgctagg gggagcagga gggtgaagtt ggtggccaag tattctatga aaatggaaaa 120

gtataagaag gctgcaagtg atattctcac tcccaaagtg gggtacggtt tggcggatga 180

gctcaaacgg gctggttttt gggttcgaac agtgtcggat aagccacaag ctgcagatca 240

agcactgcan agccacattg tggatatcat ggatcatang cgggttgagt gtgtggtcct 300

tgtgtctgat gattcctgat ttgttgatgt gataaacgaa gcaaagatgc gatgtctgaa 360

gacgggtgtc attggggata ttgatgaacg tttcttgaag aggactgctg atactgcatt 420

ntcttgggag gaaattctga tg 442

<210> 3902
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3902

agcttctccc ataagttaaa attagctttc ttaggagtta aataagagat tttatatata 60

ttagtttatg gataaactaa ttttaactta tgagggaaga ttaatccatt ttatctttct 120

attttgttat tttataagtg ctcattgcga agcttaccca aacagagcca tatctaaaat 180

ctaatgcatt ctctttgaca tgtntaatct caacttctgg ctcacttgcg tttctcaatt 240

tttgcagtgt agctcatcca tacctgcttg ccgataatcg ccattaccct ttttatcttt 300

ggaggaaagt tatcatggct cactggccaa ttaaatatct tttagtccca gtttatatat 360

gctcatggct ctctatgatc cacatgttgg gttagtacat agacatacta tgcattcgtg 420

tttgattcaa ctgcttgtgg gattat 446

<210> 3903
<211> 439
<212> DNA
<213> Glycine max

<400> 3903

ttctttgagc aaagcaaagg cttgctcttg tttttcatcc caggtaaatg ccacattctt 60

cttcaccaac tcattgagag gtgatgcaat tgtagagaaa gtatgaacga accttctata 120

gaagcttgct aacccatgga agctcctaat atctcctaca ctatttgggg tgggccattc 180

ttggatggcc ttgatttttct cagggtccac ttggatccca tttctaccaa ctacaaaacc 240

taagaaaact atattatcta cacaaaagtt gcatttctct atatttgcat agagggtgtt 300

tttcctaagg attgaaagaa cttgcctgag atgtcctaag tgatcatcta ggctcctact 360

gtacactaaa atatcatcaa aataaacaac tacaaatcta cctatgaaat cccttaaaac 420

attatgcata agcctcata 439

<210> 3904
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3904

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tctccagatc ccatattctc atgacctcat tcttcaagtc cagttgggca ttaagagaga 120

tgagatgatt ggaacccttg ccatctttgg tgtccaacct ctccttagat tacttagggc 180

acaaaccgca tcccttggaa gtcctgcttt tatgtacaaa ttggccgcaa tagaataagt 240

attccagtcc atgacaatgt ttggctgagt ctccatctct ttcaatactc tttccactcc 300

accaaaatca gacctcacac cataagaaat tatacagatc ctggtactga agttgtctgg 360

caagacttgt gtttgtttca 380

<210> 3905
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3905

cttccctaat taanaattct aatttgattn taacccanaa cccatgattc ctttcaaaat 60

gaattcctaa ataattatgc aaattaaact tactgaatag aagcaataag caataataaa 120

taaaagagtt taaggaaaga gaaaacgcaa actcagattt atactagttc gaccacaccc 180

ttgtccttac gtccagtccc caagcaaccc acttgagagt tccactatct tgcaaaagcc 240

ctctacaagt tctgaaccac acaaggacaa cccttccttt gtgttcagat tactttacaa 300

caagagaccc tcggtctctt aatccctttt cagaaataag atgaagagaa gaagaaatct 360

ctcttgaaag agatagattg aacaatggaa cactcaaaat aattccttat tgaattgaag 420

tgtattggca aggaattt 438

<210> 3906
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3906

caatcactac gcatagctcc aaactcgaag gtggaggaca catgaacgaa aacacaattc 60

atggggctcc gaaaaagggg ttgagaatgg agaattacac taagcaatca ctactcatag 120

ctccaaactt gaatgtggag gacacatgaa cgataacgca attcatgggg ctccgacaag 180

aatgagaatg gagaattgca ctacgcaatc actacgcata gctccaaacg cgaaggtgga 240

ggacacatga atgaaaacgc aattcatggg gctccgaaaa gattgagaat ggagaattgc 300

actaagcaat cactacgcat agctncatac tcgaaggtgg aggacacatg aatgaaaacg 360

caattcatgc ggcttcgaaa agattcgaat ggagaattga ctaagcaatc actacgcata 420

gc 422

<210> 3907
<211> 286
<212> DNA
<213> Glycine max

<400> 3907

cgacaatcac tcttttactc tgacgtctga ttgagtcctc gaatatgtct agacgctcga 60

acttgaatac cgaagctctg agcacattcg aacgacaata acttttttact cggatgtctg 120

actgaatccc gtaatatatc aagacgctcg aaattgatta tcaaagcttt gagcaaattc 180

aatcgacata taacttctac tcggatgtcc gattgaatcc cgtatatatt gagatgctcg 240

aaatcgaata ctcaacctct gatcaaattc caacgacaat tacttt 286

<210> 3908
<211> 412
<212> DNA
<213> Glycine max

<400> 3908

tcagcttgat cttctcaata taggacatgc gtgatggccg ttgacactat aaccacttat 60

agtgccatat gttggatagt cattaatggt acaaaaaacc attgcacgca acctaaaggt 120

atgctggaga ttcccatccc acacatctac cccatcttcc cacaatgtgg tcaagtcttc 180

gatcaacgga gtcagataca cgcctatatt gatgacgaca tgaccaagag catgggcaat 240

gatccacttg taggacttgg atgacctatg acaatggcta gagcaaggaa agccaaggaa 300

gctcttcaaa aagtgttgtc catactatct gaatacaagc ccaagtttca aggagaaaag 360

accaaggttg tgagttgatt atggcccata tggaggagga ctaaatgact cc 412

<210> 3909
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3909

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ggttgacacc attactcttg tgtttaaaac atttgtattt tgcacagatg aaaattgaac 120

cttcttttct ctaggtcaag tatctntaat gccatggttg gaattgcact aagtgcttcc 180

tttgttaagc tagtttcgtg gtatgacaat gagtgaggat acactaatgt gtgcantttg 240

tgtatgtaga gtgcaaaaat ntctgttcat gcaaaccttt aattgataac tttgaatggt 300

ttttgttgca gcaaccgagt attggacctt atagagcaca tggcattggt tggagctcan 360

aatggaacac cattagtgta tg 382

<210> 3910
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 3910

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tactctttac catcattgga ggctttcttt cataaactac ctcaaatggc gtaatgccta 120

ttgaatcttg ataggtggta ttgaaccaag attcagccca cggaagccaa atgacccatc 180

cctttggcta atccatgata aagcacctca agtatgtttc caggcaccga ttagtgactt 240

cgatttgaca atcagtttga ggatgatagg ttgtgctcat cttgagtgtt gtaccttgta 300

gtttgaagaa ttctttccag aacagactca taaacaatgg atcacaatca ctcacaatag 360

aattgggtac cccatgaagc ctaatcacct ctcttacaaa tatttcagct atgtcttgta 420

ttgngtaagg gtgtcttaat ggaatgaaat 450

<210> 3911
<211> 419
<212> DNA
<213> Glycine max

<400> 3911

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tagaaatgtg acctaaacgc ttatgccata atgctcatga gtttgtatta tcaattctac 120

gcttagtacc acgtaattgc gcattaaagg attcaacata cgaaactaca gtattaagta 180

aatatagatt atcataagcc aagagtgaac cagttccaac aatacctgaa ttgaaagaca 240

acctaaacac attgtttcca aatgaacaca aataacccaa tttgtctgaa taagaaactg 300

aaaccaaatt ccgtctaaat gacagcacaa caaaagtgtc tttcaaatcc aaataaaaat 360

tagtacataa taataatcta aagttcccta tagcttccac ttccaccgat ttaccatct 419

<210> 3912
<211> 439
<212> DNA
<213> Glycine max

<400> 3912

agcttcaacc aaggggagat ggaccatttc aagtgcttga aagaatcaat gacaatgctt 60

acaaagttga gctgcccgat gagtataatg ttagttccac cttcaatgtc tctgatttat 120

ctctttttga tgcagatgga gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180

atgatgagga catgaccaag agcaagggca aggatccact tgaaggactt ggaggaccta 240

tgacaagggc tagagcaagg aaagccaagg aagttcttca acaagtgctg tccatactat 300

ttgaatacaa gcccaagttt caaggagaaa agtccaaggt tgtgagttgt atcatggccc 360

aaatggagga ggactaaatg acaccacttt gtctcaattt tagagtgctt agtttgtcta 420

aataatggcc caatccttg 439

<210> 3913
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3913

gacactatga aactcagctt acacaggcaa gtgtttcgtc ttaattccaa atcacagata 60

tgtcataaat tgattntgca agtcatttcc catcaaatca aagataatgt gcataatcat 120

catgggtcaa tgggactttc caaggtcgaa ctttgtagga aattggtttt ggttgctctg 180

gtctttcccc cttctttttt gtgtgagtag gagagcaggt acaaagattt ggctagtaac 240

ttanacgggc gatcacttcc tatcccctca tgtcttaacc aagttactat tgttcccccc 300

ccttcttaat gtttacaaca actctgtaca tggttcagac attgtttgtt ctaaagaact 360

tgtttttcct tttctatttt ccttttgctc ttttctattt tgtttgatag attttnttg 420

gttccctttt ctttctttct ttctttc 447

<210> 3914
<211> 435
<212> DNA
<213> Glycine max

<400> 3914

agcttgtaag aagtatagca atatgggaga atgtttttgg ttgattgata aggacttagt 60

gatgcaatcc taccccgcaa gggcattggc tagaagactc caagtagatt gggctagaga 120

tccaaggaaa ggccctaggg ttctcatgag ccttagggta gatttcgagc ccatgggcta 180

agtatgagcc cgcttatctt tgtaaatatt agaataggtt tttccttcgt ctaggccttg 240

tattttggcc attctagtag tatagggttt tagccttgta tttcggggca ttttgagttg 300

tctttgtaat aaggactttt ttttttattt tcatgttttt tgtcatgggg gtgagcttag 360

ctattatagg gggtgtgtag ctaagctcta gcttctcatc tcaaggaggt gagcttagct 420

attagagagg tatgc 435

<210> 3915
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3915

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ctcaaaagtg aatgcaagag ctcttaccaa attcaaatgc caatatactt ttactcggac 120

gtgcgattga gtcccgtaat atatgtagat gctcaaaatt gaaaacagaa gctctgagca 180

aattcaaacg acaatagctn tggactcgga tatncgatag agtcatttaa taattcgaga 240

cgctcaaaat tgaatacaga agctgtaatc aaattcaaat gacaataact ttagactcga 300

atgtccgatt gagtcatttt ataatttgag acgctcaaaa ttgaatgcag acactctaac 360

catattcaga tgacaataac ttttgactcg gatgtccgat tga 403

<210> 3916
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3916

agcttgcttc agtataatag gaagcaccaa tataaatatg ttgatgccta ctattgatat 60

atagcattga ccatacatga aactagcgag agagaataca aactgttgat aatagtacac 120

tccataggta gtgatgctgt gtaaaccact acaacaagaa agcactttaa attatagtat 180

tacgtagaaa tttctatggt tgtgttgatc atgctcgccc tcactttana ttggcaattg 240

gattgtgcca cattgaagct tttcacagtt ctgccatcac tggtggtgac ttgaaaagag 300

agggattgcc cattgaggta tgagtttctc tgtcaatttt gcccccaatt tcttgacatg 360

ggtttccacc ctggtttgga ccctttgatg gacactgaat tcatatcacc agcttcaccc 420

acatt 425

<210> 3917
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3917

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ataacatgta gaatagttgt tccagataaa gtagtagtaa gagaaacgtg tccaaaacag 120

gcggcagatc atgagcgaga agggacaaag taggattgtt cctgacataa actttacctg 180

gttagcaagg aagatgcaga caagtcagtt caagcacgca gcananatgc acaaatgctc 240

aaggttagaa aaggcagagg ctaatgattt ttaggtaatg atgcaatcct ccctatgaag 300

ggaccaatca ctagaaccat gagcaagagg ctccaagaag atttgactag agctgctgaa 360

gaaggcccta nggttctcat gaaccttann ggtagattct gagcccatgg gccaaggttg 420

ggtccatnta tctttgtaca tattagacta ngatgtcatt a 461

<210> 3918
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3918

tcgcacttga taatggagac acatgaacag cgctaggcaa cgacattcat ggcgctccga 60

acaaaggtgg agtatggagg attgccttga gggtccgcac ttangcaatc atgaaactaa 120

gctccaaact cgaaagtgga ggacacatga acaaccctaa gcaataatat tcatgtggct 180

ccgaaaaagg atgagaatgg aggattgcct tgagggtcct ctcttaggca atcatggaac 240

acagctccaa actcgaaaac ggaggacaca tgaatganac cgcaattcat tcacgtggct 300

ccggaacagg atgagaatgg aggattgcct tgagggtcct ctcttatgca atcatggaac 360

acagctccaa tcatggaaca cagctccaaa ctcgagaacg gaggacacat gaatgacaac 420

gcaattcatt cacgt 435

<210> 3919
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3919

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gagctctagt tactattgac tttatcgagg ataaaatcaa atgtatgatt agtaaatttc 120

ttgtcaagaa ttgaaatccg ggtacttatc taagtcctcg atttacttaa atccacttgg 180

caccactata tcctacttga cttgccagct agcattatta tataaaaaga tgcgggagtt 240

ttcatcactc tctttagctc cagaactatc acaaaacaat ntaagggtca acttgatggc 300

atctatctaa tccgtcgagg cttctacaaa tagcagaata tcattcgcag agacaaggta 360

tgaaattatg agcccccttt gtttaactgg atgg 394

<210> 3920
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3920

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tggaatggag aaggaagaga gagaggagat gccacttcaa ggagaagatg agtctagaag 120

aagctcacca ccatagaagg ccatggctaa gagcttggag gaagaagaag atgaatgaag 180

ggagaggaag agaagagcac gaaattttat gctctaaaag agctctgaaa tctgaagttt 240

aattttcaaa tgatcaaagt tgcaaaaaat gcacacacat gacctctatt tatagcctaa 300

gtgtcacaca aaattggagg aaaatttgaa tttcaattca aatttcactt gaatttgaaa 360

ttgaatttgt ggagccaaat tntcactaat tatgattagt 400

<210> 3921
<211> 385
<212> DNA
<213> Glycine max

<400> 3921

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acaacctcag taattgttat catatcctca tctgcaatta tgtaaagaga tcattgcttc 120

tttccatgag ccacaacgag attgcctttt gttaccttcc aagctccatc tccaaaagcg 180

gtgtaatgcc ccccatcatc caactgccct atagatatta aatttctctt taaggcaaga 240

atatgtctga cattatgcaa tgtccatagg gatccactgg aagtcttgat gtcaatatca 300

cctcttccga caatgtcaag agaatttcca tctacaaggg aaacttctcc aaatcttcta 360

gacatatagt tagacaataa atctt 385

<210> 3922
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3922

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gttcttaana ctggtctcta ttatttgctt ccaaagtttc atggccttgc aggtgaagac 120

ncgcacaaac atttgaaaga atttcacatt gtctgctcca ccatgaaacc cccagatgtc 180

caagaggatc acatatttct gaaggctttt cctcattcat tacagggagt ggcaaaggac 240

tggttgtatt accttgctcc aggtccatca cgagctggga tgaccttaag agagtattct 300

tagaaaaaat tntccctgcc ttcaggacca cacccatcag gaaggatatc ttacgtatta 360

cacaactcac tggagagagc ctgtatgagt actgggagag acttaagaaa ctatgtgcca 420

gctt 424

<210> 3923
<211> 418
<212> DNA
<213> Glycine max

<400> 3923

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aagttatggt cgtttgtatt ggctcagagc ttcaactttc aatttcaagc gtctcgatat 120

gttacgggac tcaatcagac atccgagtaa aaagttatgg tcgtttgaat tggctgagag 180

ctgtaacatt caatttcgag cgtctcgata tgttacggga ctcaatcaga catccgagta 240

aaaagttatg gacgtttgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat 300

atgttacggg actcaatcag acatccgagt aaaaagttat ggtcgattga attaggtcag 360

agattcaaca ttcaatttcg agcgtcttga tatgttacgg gactcaatca tacatccg 418

<210> 3924
<211> 413
<212> DNA
<213> Glycine max

<400> 3924

agctatgatt tcctttgttc cggaaacctt tcttttctca tgtgcaccca aactcaatct 60

ccgggttcga agacaacctt ctttcttcct ttgttggctt gtttagcata gcttttattt 120

ttcctctcaa tttgatcttt gactctctca tgaagcttct tcacatagtc ccgctttgct 180

tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaagagtt 240

agtgggttaa aaccataaac aacttcaaaa ggagaacaat tagtggtgct atgaacagct 300

ctatcgaagc aaattcaaca tggggtaaac aagcttccca agtttttaag ttcttcctca 360

aaactgtcct aagcaaagtt cccaaagtcc tattaacaca cttccgttgc cat 413

<210> 3925
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3925

tgtctccttg caaggaactt cctatggngg ggtgttcaat ggcatatatt aatcccttgg 60

gtgaaatggg aagtagtgtc tctctctaag gaggatgggg gtctaggaat caaagatatt 120

tctaaattca atacagctct gatgggtaga tggatatggg ctttatcttc taatcataat 180

cagctgtggg ttagaatctt attgtctaaa tatggtggat ggtcagatct tagcagtggg 240

agggataaat cttggcagtc tcattggtgg agggacctcc gaaagttata tcatcagcct 300

gaattcagta ttatccagca gcagatggtt tggaaggtgg gaggagggga aaanataaaa 360

ttctggacag ataattggtt ggnggaagaa tataatcttg aacagcaatt cactcagcta 420

ttcctgataa tgagcagcaa acaatacata ttaacatggg aatc 464

<210> 3926
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3926

gtcacctgcg gcatgcaagc ttctagacaa tggttntgta agttctccat taccttctta 60

gtcatgggtt ccatcagtcc aagcatgatt acttcctatt caccattggt tcaaggaatt 120

ccttaatcat tctactaatg tatgtagatg acatcatcct gtctggacca aattctacct 180

ctgtgcaggc tattcagacc caattgcaat ctatgtttca attgaagatc cttggccctt 240

tgaaatattt ccttggctta gaaatagcta aatccagcag aggtatctca ctcgcctaga 300

aaaaatacat tggcatgcaa accttccaat cttncaatgg atcccaactt gaagctcaat 360

cttcatgatg gagacttacn tcctgatccc tcaatgtata agagggntaa ttggtagaaa 420

tggttatctg accatttcac gtnctgatat a 451

<210> 3927
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3927

agcgtagata tggacctggg tgttgcctat ttttatcata tcttctgtaa tactcatcac 60

ctctatcata tctaataatn ttcacattta tgtctaattg ccctttttact tcattgtagt 120

aaatttctaa ggcattcatt gcctaagaaa tctcaggcag taagtagaca taaccataac 180

gtgaataatc atcaataatg gtgataaagt atcattcctt tctgaaagaa ctaacatcaa 240

aaggtccaca aatatcagca tccacaattt caagaagctg agtgcttctt gtagctcttt 300

tctttgtatg ttnntgttag tntcccttaa tacaacccac acaaatattt agatccataa 360

aatctagata aggaagaatt tcattcttta ttaatcttct catcctttct ctagaaatgt 420

gacctaaacg tttat 435

<210> 3928
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3928

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atgctgtatg gtgggcaaaa agagcaccaa aatgagcccc cttggataat cggtctacga 120

ccactaatat caccgtgaaa ccgtgggatg atggcagtcc tatgatgaaa tcgagggaca 180

aatcttccca tatgcgggaa ggtatgggaa gaggttatag cagactgaca acctctttgt 240

ttcatattta atctgttggc acatgggaca ttgcacgacg taccagcgga catctttctg 300

tatatgtggc caatcaaaat tctgtcgtaa acgatgaagt gtctttgata cctctgtgtg 360

accgtcga 368

<210> 3929
<211> 417
<212> DNA
<213> Glycine max

<400> 3929

ctcagctttt atttagctga tgaaataatt cgggctcttt tgcactcgtc taatgacaat 60

agcatcattt ctagcactaa attgttggga gttggaagtc atcttctcaa ttaaattctt 120

ggcttcagta ggggtcatgt ctcctagggc tccaccactg gcagcatcta tcatgcttct 180

ctccatgtta ccaagtcctt cataaaaata ttggagaaaa agctgctccg aaatctggtg 240

gtgagggcaa ctggcacata gttttttga atctctccca gtattcatat aggctctctc 300

cactgagttt cctaatgctt gaaatatcct ttctgatggt cgtggtccta gaagcaggaa 360

agaatttttc taagaatact ctcttgaggt catcccagct ggtgatggac cgtggag 417

<210> 3930
<211> 416
<212> DNA
<213> Glycine max

<400> 3930

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gcgaaaaagg atgaccctag ggctgcaaac tcgtcaatcc cgtgggtatg gcttttgaaa 120

ggggggggaaa agaagttttt gaatgcaaaa acgccccccc tttcgtcatt cttataattt 180

ggtgcagggg tggctctatc tgatcctgac actggttaag gaatgatcaa gatgaagaag 240

aacataactc atggctttta cttggtaaag gggagatcag gtcatgccat ggaagactat 300

cttgttgctc aattcaagct agttgacgac aatgaattgg gtttatttgc aatatttgat 360

ggccactcac gctacagtgt acctgattac tcgatgtctc attagcttga taatat 416

<210> 3931
<211> 301
<212> DNA
<213> Glycine max

<400> 3931

tcggacatcc gtgtgaaaag ttatgacgat ctgaatttct caagatcttc cgttgttcaa 60

tttcgagctt ctcgacatat tatgcacccg aatcggatat ccttgtgaaa agttatgact 120

atttgaattt tccgagaatt tccgatgttt aatttcgagc gtatcgatat attataagct 180

tgaatcggac atccgtgtga aaatttatga ccatttgaat ttctcaagag cttccgctgt 240

tcaatttcga gcttctcgat atgtgatttg cctgaatctg acatccgcgt gaaaagtata 300

c 301

<210> 3932
<211> 293
<212> DNA
<213> Glycine max

<400> 3932

gctatgctta acaagccaac aaagggagaa agaaggttgt cttccaaccc ggagattggg 60

tttgggtgca catgagaaaa gaaaggtttc cggaacaaag gaaatcaaag cttccaccaa 120

ggggagatgg accatttcaa gtgcttgaaa gaatcaatga caatgcttac aaagttgagc 180

tgtccggtga gtataatgtt agctccaccc tcaatgtctc tgatttatct ctttttgatg 240

cagatggaga atccgatttg aggacaaatc cttctaagag ggagagaatg atg 293

<210> 3933
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3933

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ttcaaaagtt ttcagtcaga tatttctcag agacctgatt ctcattgttt cataactctc 120

aattttctgg gttttctatt ctgactgtct tttgatatga ttgtgttgct tgcaggaaaa 180

agttttgggc tcatctgatc ctgattctgg taaaggaaag agcaagatga agaagaacat 240

aactcatggc tttcacttgg taaaggggag atcaggtcat gccatggaag actatcttgt 300

tgctcaattc aagcaagttg acgacaatga attgngttta tttgtcaata ttgatggcca 360

ctcangtcac agtgtacctg attacttgaa gtctcatttg ttngataata tcttg 415

<210> 3934
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3934

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tgtctgttaa tcctatgagc aaatcgaggc ttcagctgct tgatgtttct tccatgctca 120

ttgcttcgta agcttttgct tttaactctt acaatggttt cctctcctta atctattgaa 180

gcatcacaga ttcacagctg cgttcttttc taatatgtag gaagtatgag gaagttaatc 240

cacccggtgt tgacaaattc tatagcatca ctaataacac ttatgaaaag gcagaggtaa 300

gtaaatatgt cggtccgtta ttcttctttt tttgcttcgc tattttccac ttacttgg 358

<210> 3935
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3935

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tgagtattgt aatatatcga gacgcttgta atggaaaaca gaagctcgta gaaaatgcaa 120

atcgcaataa cttttaactc ggatgatcga ttgagtcccc gaatatatcg agacactcga 180

aattgaaagc agaagctctg agcaaattca aacgacaata acttttgact cggatatccg 240

attgagtcat ttaataattc gagacgctca aaattgaata cagaagctct atgcaaattc 300

aaatgacaan taactttgac tcggatgtcc gattgagtca ttttataatt tgagacgctc 360

anaattgaat gcaggagctc ttaccaaatt caaatgacaa taactntnta ctcggatgtc 420

cgcatgagtc ccgtaatata tcta 444

<210> 3936
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3936

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gtactgcgac tattgaataa attgagaatc gttattacaa tggtaagaaa tgacagatac 120

gtcgtaagca caacattttt agagaattac tctcaacagg agctgttaga gtggatcacg 180

tacgcactga tgataattta gcagatcctt tgaccaaagg attagctaga gagaaattca 240

ataacacttc taaaagaatg agactattgc ccttactatg atgatcattc ataatggtag 300

cccgacctaa atgattggag atcccaagaa ctatggtcaa tgggtaataa ccaagtacaa 360

agtgatatga gatgaacatn gctgtataag tgaaagcagc atgattcctg aagtaaca 418

<210> 3937
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3937

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ggaaagatgg aacagacctg aagtagaatt agtggagatc atgcatttaa tctgggtagc 120

tgaagctgga tcaaaatctg cctgaacgtn cgcgtggagg ttgatggatt cgcccaagta 180

cgaaaaatgc atcgtgaagg aggcgtaatt ggtgataaca ggccccaaag tccgaagcca 240

ctctacgccc aagacgacct cggctccgct caggggtagt acccttagcg tcactataaa 300

cgtatgtcct tgtatacaga gctgtgtatt ggcacatagc tgattgcact ccattactga 360

accattacct accatcactc taagaggcat ggngtcttca acggccaagt tcatgaatta 420

tcaacgcgag gctgaatgat aatatgagt 449

<210> 3938
<211> 454

<212> DNA
<213> Glycine max

<400> 3938

taaacatgag agcttgcttg aggggtcaga attctatttg actaattgtc acctttgagg 60

aacctgatta gctacattaa ttaagttttt cttcttaatc acgttttttt tcatttgaaa 120

aactctaaca taagaattta ctcgaggagt ccaaacctag ttccacttga aatagttggt 180

tcgaaagttt ttcattcaaa aagtaaaaat gaatgtttcc ttgtactaaa caaaccctta 240

atcttccccc aaaatttcaa catgaattca catatcagta aatataatac atgcatacca 300

gatagaggtc aagatagtca agttgcaatt cctgtaatgg tttatccaat ggctttggca 360

catcttctgg tgcatgatct gaacacccta aaatatagcc aacaaatcat aggatccttt 420

cattcagcac caaacttgtc caaacacata caat 454

<210> 3939
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3939

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cgcttcagtt gctcgatggt tcttccatgc tcattgcttc gtaagcttat gcttttaact 120

tttacaacgg cgtcctctac ttaatctatt gaagcatcac agattcacag ctgcgttctt 180

ttctaatatg tacgaagtat gatgaagtta atccacccgg tgttgacaac atctatagca 240

tcactaataa cacttatgaa gaggcagagg taagaaaata tgttgctncg ttattcttct 300

ttttatgctt cgatattttc cacttacttg g 331

<210> 3940
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3940

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cagtgtgtca caaaggcgga atagaacttt aatggatatg gctaagagta tgttaatcaa 120

ttaaacttta tctgtatcct tgcggatgta taccttgaaa actgccacgt agttgttgaa 180

cagggttcct agtaaggtag ttccaaaaac acctttttgaa ctatggacaa ataggatacc 240

tagtataccg cacctgcatg tttggg 266

<210> 3941
<211> 331
<212> DNA
<213> Glycine max

<400> 3941

tcggtattct atttcgagcg tctcgacata ttacgtgact ctttccgaca tccgagtaaa 60

aagttattgt cgattgaatt tgctcataac taccgcattc aattgcgagt gtctcgacat 120

attacggtac tcaatcgcac atccgagtaa aaagttattg tcgtctgaat ttgctcagag 180

cttccgtatt caatttcgag cgtctcgaga tattacgtga ctcaatccga catccgagtc 240

aaaaggtatt gtcgttagaa tttgctcaga gcttcggtat tctatttcaa gcgcctcgag 300

atattacgtg actcaatccg acatccgagt c 331

<210> 3942
<211> 388
<212> DNA
<213> Glycine max

<400> 3942

tttgtgcaag aaccagtcca tccaatggaa tgatgactgt caagtggcat tcggaaggat 60

caagcaatgc cttatgaatc ctcctgtcct tttgccgttg gtgcccggga gacctcttat 120

cctatacatg acggtgttgg atgaatcgat ggggtgtatg ctggggcagc atgacgattc 180

cagaaagagg gaacgagttg tctactactt gagcaaaaag ttccccgcct gtgagatgaa 240

ttactctctg cttgaaaaga cgtgttatgt cttggtatgg gtagcccatt gtctaaggca 300

gtacatccta agccacacca cttggttggt atccaagatg gacccagtca agtacatttt 360

cgagaaaccc actctcacca gatggact 388

<210> 3943
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3943

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atcgttcatg atgagcaggg tttgaagcaa gacttatagc agatttatta tcacaaaata 120

gtatcacaaa gggcacatca acttcatagt aaagaagtaa tttgcttaac caaacaattt 180

cactagtaac agaagacaag gcatgatatt cagcttcaat ggatgatttt caaacaatgg 240

gttgtttctt ataatgccaa gaaagaaggt tgtttcccat aaagacacaa aagccagaag 300

tggatcttct ggtatcaaca cagttggccc aatcagcatc aacaaaggca gtgaggttga 360

gagagttctg agcanggaaa aacaaacctt gtccaggagc aaatttgata tactgtagaa 420

gatgataaac aacatgt 437

<210> 3944
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3944

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gttcgaagac aaccttcttt ctccctttgt tggcttgttt agcatagctt ttatttttcc 120

tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttctttatg cttaaaaaca gaaacattat gcataggcaa aagatcaaga ggagttagtg 240

ggttaaaacc ataaacaact tcaaaaggag aacaattagt ggtgctatga acagctctat 300

tgtaagcaaa ttcaacatgg ggtaaacaag cttcccaagt ttttaagttc ttcctcaaaa 360

ctgtcctaag caaagttccc aaagtcctat taacaacttc cg 402

<210> 3945
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3945

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gcataacttt tcccacggat gtccgattcg ggtgcataat atgtcgagag ccttcaaatt 120

caacaacaga agctcttgag aaattcaaat ggtcataact tttcaaatgt atgtctgatt 180

cacgcttata atatatcgat acgctcgaaa ttaaacatcg aaaactctcg agaaattcaa 240

atggtcataa cttttcacac gaatgtccga ttcgggcgca taatatgtcg agaggctcga 300

aattgaacaa cagaagctct tgagaaattc aaatggtcat aacttttaac acggatgttc 360

gattcacgct tattatatat cgat 384

<210> 3946
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3946

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cttgcgttgc caaactttca aaaatctttt gaaattgagt gtgatgcttc aaatgttggg 120

attggggctg tgttgatgca agaaggccat ccaattgctt attttattga aaagttaagt 180

ggtcctaccc ttaactattc aacttatgat aatgagttgt atgccttagt acgggctttg 240

aaaacatggc aacactacct ttatcccaag gaatntgtca ttcatagtga ccatgagtcc 300

ctcaaatata tcaaggggca aggaaagctt aacaaaaggc atgctaagtg tgtggaattc 360

ctatagcaat tcccttatgt tatcaaacat aaaaagggaa caggtaatat tgtagccgat 420

gctctttctc ngcgtcatgc attactttct atgcttgaac 460

<210> 3947
<211> 237
<212> DNA
<213> Glycine max

<400> 3947

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agttctcgag tgctcacgct gtaaattgtc agcggctcca cattttatgt tctccaataa 120

acatcagagc gagctgtcat gaccattctg atttgctgag agcttccgta tttcaatttc 180

cagcgtctag atgacttatg tcacccactc ctacatctca ttgaaatgcc ttgacca 237

<210> 3948
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3948

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taataaattc ttgatcacta cctaggaagc cttttgcaaa acatgcttcc ctaaatgtat 120

gatataccag accgttgact gttctaatgt cactgtaaga ctgtgcacct ttggcagtgg 180

atagcatcat tctaaggtaa aacagttcac cagctgaagg tgggacccac atgagtctgc 240

ctattgtatt cccttgtttt cttggttgcc aacatctttt gcgggcaaca taaacaaatc 300

ttgagatata ttgatgatat gtaagatccc atccataaga atatattntg ttagaatgca 360

tccaagctgt gaacatggat tcttttattg gtgtttttga tagaacttca cctacttgtn 420

gatcatctgt ccagtaaaca tgtntgttga ttt 453

<210> 3949
<211> 371
<212> DNA
<213> Glycine max

<400> 3949

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ttctagatca ccattcatga acgccatttt ttcatccatg tgatgcagct caagatcaaa 120

atgagctact aatgccaaaa ttactcgaag agagtctttc ttagatacag gggaaaaggt 180

ctctctgtaa tcgattcctt ctctttgagt gaatccttta gcaacaagtc ttgccgtatg 240

tctctcaatg tggccttctg agtctgtctt tgtttagaag acccatctac atccgatggc 300

gtggacacca gcatgcaact caacgagatc tcaaactcgg ttagatgcca tagaatccat 360

ctcatccctc a 371

<210> 3950
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3950

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ggtttgagaa gtgaaattga gaatgagcta aatttgaagc aaactctcac ctcacacaag 120

tctataacat caatttaaac ttgttcaaac tggatttacg cctaaaattt caccgaatca 180

aaatttgact cctcaacacc caaatttacc ctagaaatga ctctttgttc actttggtca 240

tttgtttttc tctctagcac agcccanact ttctcattga aattctgata ccaggggaca 300

gatgtcgtac cggatgtcac gacatcacgc ttcagaacat gcagattata tgtgtccgta 360

tgaccagatt aaacaagtta ataacacaag ag 392

<210> 3951
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3951

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atcgtcctgt gatgaaagct ccagcaggct tcttttggtt gggatgtgtg ctctatcaca 120

caagattgca tggtcactag cagccatatt ctcaatcaat tccatggctt cttcaggggt 180

cttcaatttt atttttcccc ctgtagaagc atctaaaagc tgcttggatt gtggccttac 240

cccgtcaatg aaaatattga gctggatcgg ttctgaaaat ccatgagtag gcgtctttct 300

tagttaccca cgaaatcttt ccaaagcctc actcaagggc tcgtctggaa attgatgaaa 360

gaatgagatg gcagctttc ctttagtagt cttggactct gggaagtatt tcttcaa 417

<210> 3952
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3952

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atagctgaag tcttcttttt ggctcaaaac gatcaattgc tgtgataagt cccttaactc 120

ctgcctgaca aagatcttga aacctcgggc cacttgcaaa atcttgaaaa tatttgttga 180

tcacgaacaa tacaagccgg agattgtgct gcaaacgata tcaccatgat ttcttaatct 240

cagtataact attactcatt ccaaagaata gcaacaaaca cagcaacaat taatccattc 300

atatccaaag agacagagaa agagtagtaa aaggaatgga gatgtaacat atcactgatc 360

ttcgaaggct tcttataagc aaatctaana taagagttga acattccatg ataccttat 420

gaagttgttt ctcgcagctc gaccaacctc tatagctttt cttac 465

<210> 3953
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3953

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tgctgcccaa gtttcatggt cttgcaggtg aagatcctta taagcatctt aaggagttcc 120

gtattgtttg ttccaccatg aagccccctg atgtccaaga agatcatatc tttctaaagg 180

cttttcctca ttctctggag ggagtggcaa aagattggct atactacctt gctcctaggt 240

ctattttcaa ctgngatgac cttaataggg tgttcttgga gaaattcttc cctgcatcta 300

ggaccactgc catcagaaaa gacattntat gcatcangca acttagtgga gaaaacttgt 360

atgagtactg ngaaagat 378

<210> 3954
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3954

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caagtttcct caaatatctt aagaaggggg ggggggttga attaagatat cacaaactat 120

ttccccaatt aaaattttat ttcactttct attcaagtta taaattccct taataatgaa 180

cttcttaaat actgattcta atggaacaat ttgaatatga atataagaca atcataaata 240

aacgagttta aggcaagaga aaatgcaaac tcatatttat actggttccg gcacaccctt 300

gtgcctacct ccagtcccaa gcaacccgct tgagagttcc actatcttgt aaacacctat 360

tacaagatct gaaccacaca acgacaaccc tctcttttnt tcacatttct ttacaac 417

<210> 3955
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3955

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tctgagtaag cggtctccat ggtttgttca tcaattcagt gggctgaaca aaatcatcct 120

ctctttcatt gacaaaacca ccttcctttg gccatatagc attgccatag ccataggtgc 180

cctttgttca aagagccacc tatcatgatc aaaatctcca gtttggctcc tcaccagtgc 240

tgacttcgtt gacttcatca tggacaatct cctctacatt ctagacattc cacttggtgg 300

aggaagtaga aggggatgcc cactatctat agccacttca tctagctctg tgttctgata 360

tgggtccgcg catcctgggc atataccacc tnctggtctt actgcattta tataacaatc 420

tctgcatatc ttaaaatgac actcacatgg aaaaatatca tcacacagtt catcgctc 478

<210> 3956
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3956

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accatcaaca cattggtaaa tattttactt aaatgggttc agtagatgtt tagtcttcta 120

atatttcaaa acttagattt taatccttga ataagagctt aactagtcaa gtctcaactt 180

ctttttttgtt aaaattntag tctttcaaca aaagcttgac cagatcctta aactttntaa 240

aaattatatt ctaaatgatt aaatagaagt ttaaatctca ttatttttatt tatttatcta 300

tctaataaga ggttagaagt taaaaattaa aatcttaaaa accttgatga atactttgtg 360

ttcatagaat acagaccttt aacaaaaaag aaa 393

<210> 3957
<211> 419
<212> DNA
<213> Glycine max

<400> 3957

actaagcttg aggtccacta gatgccttag ttaacctggt gacccatctg gccatgaata 60

aaaaatctgc acttgtcgcc agactctgtg gtttatgctc atttgtcgac caccacacag 120

acctttgccc ttctatgcaa caatctgaag caattgaaca gcctgaagct tatgctgcaa 180

acatctacaa cagaccttct caacctcagc agcaaaatca accacaatag aacaattatg 240

acctctccag caacaggtac aatcatgggt ggaggaatca tcctaacctt atatggtcga 300

atccttcaca acagccgcaa caacaacctt attttcaaaa tgttgctggc ccaagcagac 360

catacgttcg tccaccaatc cagcagcgac aacagcaaca gccgcagaaa cagcaaaca 419

<210> 3958
<211> 395
<212> DNA
<213> Glycine max

<400> 3958

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aagctattga cgttagaatt ttctcacacc ttctggattc tatttcgagc gactcgatat 120

attacgtgac tttatcgaac atgcaagtaa aaagttattg gcgctagaat ttgctcagag 180

cttctgtatt caatttcgag cgtctcaata tataacgcga ccctattgga catccaagta 240

aaaagttatt gtcgatagaa tttgctcaca gcttctgtat tctatttcga gtgtgtcagt 300

acattatggg actcactcaa atatacgagt tgaaaggtgt catcatttga atatcctcat 360

agcttcctga ctgcatttcg agtgtctcga tgatg 395

<210> 3959
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3959

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tttataaaag ctctaatatg aaataaccta ttcccaccca taatgggtat aggtaatcca 120

tgatctcaaa ccaaccgaaa ttgacccaat tagtttggtt caaatatttt tagcttaggt 180

caaacccaac acaacccaat cctgcctgtt caatttacaa gccaagtaag atgttttgtt 240

tttttaactc gtgacccaac ccgtaacata taattaaatt cattatatat ataattaaat 300

tattaaacac aaaacactat atacttttttc taacataatg tattaaatta aatcaattat 360

actcttttct gtttcagttg ttctttttat tgttatcttg atnttgtttt ctcatgctaa 420

tacaatattt tatttctatc taaaataaaa atattgtatt agcattg 467

<210> 3960
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3960

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tatgatcttt caagcaacat atacaatcca ggttgcagga atcatccaaa tctgagatgg 120

gcaagtcctc cacaacaaaa acaacctgtc cctcctttcc agaatgctgc tagtccaaac 180

aagccatatg ttcctcctcc aatgcagcaa caacagcaac aacaacaaag acaactagaa 240

cctgaggctc ctcctcaatc ttccttagaa gagttagtga ggcaaatgac catccaaaat 300

atgcaatttt agcaagagac aagagcctcc attcagattc tgaanaatca gatgggngcag 360

atggctactc agttgaacca agctcagtcc caaaattctg acaaatggcc ttcacaaact 420

atgcagaatc tgaaaaatgt gagtgtcatc a 451

<210> 3961
<211> 408
<212> DNA
<213> Glycine max

<400> 3961

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tcttaagagg gggggttgta ttatgatatc acaaactatt ccctaattga aaattctatt 120

gtgattataa cccaaatccc atgattcctt ttagaatgag ttgctagata attattcaaa 180

ttatacttac tgaatagaac cgataagcaa tgataaataa cagagtttaa cggaagaaga 240

agtgcatact gagttttata ctggttcgga cgcaccctta tgcctacgtc cagtctccaa 300

acgacccggt tgagagttcc accaactcgc aaaaaattct ttacatgttg tgaaccacac 360

aaggacaacc cttcctttgt gtcagattga ttacaacagg agaccctc 408

<210> 3962
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3962

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tcttaagatg gggggttgaa ttaagatatc acaaactatt ccctaattaa aaatactatt 120

ttgattatag cccgaatccc aagattgctt gtacaatgaa ttactagata attattcaaa 180

ttagacttac tgaatagaac cagtacgcga taataaataa aagagtttaa gggaagaaga 240

agtgcaaact cattttatac tggttcggtc gcacccttat gcttacgtcc agtccccaag 300

caacccgctt gagagtgcca ccaacttgca taagatactt tacatgttct gaaccacaca 360

aggacaaccc ttcctttgtg atcagattga tttacaacaa 400

<210> 3963
<211> 416
<212> DNA
<213> Glycine max

<400> 3963

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tatgctttat gttcctattg ggtataggtt tggtatgctt tatgttccta ttggctatag 120

ctttggtgct agaatattca atttggaggt cacaagagga ggatcttcat atggtgttgg 180

agtttttgct ggagaaggta caagacaagc cagtgaaatg gagctggagc ttgcagagta 240

tcatggccag tatacatgaa attagcgcat aaaagctaga ttggattctg tgactacaaa 300

ttcatttagc gcttctagct aggtcagcat tctagtctgg ttcaagcttt tgacctctag 360

atcaaacttc ttaatgcact caaacaaacc attggtgacc tcacaatcaa actcca 416

<210> 3964
<211> 435
<212> DNA
<213> Glycine max

<400> 3964

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ttcacccgat gaagacactg acaaaaactt atcttctcct ttttggacaa agtatggtag 120

gctaggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtatgccc 180

atatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaaga 240

agcgtcccaa ttacactgcc acaaacattt ttctgcagat gcataacatc aatacaatgt 300

gtaacgtcaa gataagacca gtacggaaga tcaaagaaaa tggacctctt cttccatatg 360

caactcttac ttttatcctt cctttgggtc atcccaaata cagtattcag gtgttgaacc 420

cgctcatata cctgc 435

<210> 3965
<211> 344
<212> DNA
<213> Glycine max

<400> 3965

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taaaaagtta ttgtcgtttg aattagctca gagcttcaaa attcaatttc gatcgtcttg 120

atatattacg ggactcaatc agacatctga gtaaaaagtt attgtcgttt gaatttgctg 180

agagcttcaa cattccattt cgatcgtctt aatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgaattagct ctgaggttca gaattcaatt tcgagcgtct 300

caatatatta cgggactcaa tcagacatcc gagaaaaaaa tatt 344

<210> 3966
<211> 316
<212> DNA
<213> Glycine max

<400> 3966

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tatcatggtc tctcatgcga agaccctcat aataatctta aggagtttca tactgtgtgt 120

ttcaccatga agcccccctga tgcccaggaa gatcatatct ctctaaaggc tcttcctcat 180

tctcttgagg gagtggcaaa agattggttg cactaccttg cttccaggtc cattcttcgc 240

tgggatgacc ttaatagggt gtttttggag aaattcttcc ctacatctac gtaccactgt 300

tcttataaaa gacttt 316

<210> 3967
<211> 397
<212> DNA
<213> Glycine max

<400> 3967

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aatctgcacc tgttgcaaga gtctgtggtc tatgttcttc tacagatcac catacagatc 120

tttatccttc tttgcagcaa tctgtagtcc atgagcaacc tgaagcttat gttgcaaaca 180

tttataatag acccccctcag cagcaaaatc aacaacagca gaataattat gacctttcga 240

gcaacaaata caatccaggt tggaggacaa tcatccaaat ctgagatggg caagtcctcc 300

acaacaacaa cagcctgtcc atccttttta taatgctgct ggtccaagca agccatatgt 360

tcctccttca tgtagcagta gcagcaacaa caacaat 397

<210> 3968
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3968

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gtgtagcact atccactaca acagcaaaat acattgtagt tggaagttgt tgtgctaaaa 120

gtctctagat gaaacaacaa cttgaagact ttggggtaac ccttgatccc attcctctaa 180

aatgtgacaa cataagtgct attaatctgt ctaacaatcc ggtcatgcat tctagaacta 240

aacatataga gattagacat cattttctaa gagatcatgt atcaaaaggt gattggtgca 300

ttgagtttgt tgatagtgaa catcaactag ctgacatctt tattaaacct ctttctggag 360

ataggttctt ctctattaga aatgagctac gtatcctaca tggatcgagt atcgaaa 417

<210> 3969
<211> 410
<212> DNA
<213> Glycine max

<400> 3969

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actagacaag ctatctcacg tcctaatgac actttacgtg gcaggaggtg agttatttca 180

acgacattaa tctaagattt gcctacctga atctccctta caataatttt atgccccaac 240

acagtgcctt catgaaccat aaaatgacat attttctagt taagcaccaa gttggactct 300

acacatctct gcaacaccct ttgcaaattc catggatcgc actctataga agagccatag 360

agatacaaat catccataaa acattcaata cacttcttca ccatatctaa 410

<210> 3970
<211> 107
<212> DNA
<213> Glycine max

<400> 3970

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ctatgctagt tgaaagcctt ggaggaaaga ggtatgctta tgtgtgt 107

<210> 3971
<211> 317
<212> DNA
<213> Glycine max

<400> 3971

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ccctttctga tcacgtacat ggacatgact tccgcaccca aatactttaa tgatatctac 120

tttaggtttg attccactcc acatctcttc tggagtttca tctttcactg tcaatgtcag 180

acctcttgtg agaacatgaa ctgcccattt tcgcatcttc tggccacaaa acctctggca 240

cttgtttgtc acaaagcatg cacccgacca tatttataat ggttcgatct ttacactccg 300

ctacgccgtt ttgctgt 317

<210> 3972
<211> 388
<212> DNA
<213> Glycine max

<400> 3972

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gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240

ccacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300

tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatggttga 360

tacatggacg gagatgaaaa agatcatg 388

<210> 3973
<211> 432
<212> DNA
<213> Glycine max

<400> 3973

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gggacaataa acactgagaa tgttgctcac tatatttctg cttatcccta tgataatatt 120

atttattcag agaaagaatg ctccacttgc aaaattccaa agtgagtttg ctactgttgc 180

tgaattttgt tgaaatattg gttaaatcta tctataaaac tgtcttaatt tttttatgca 240

gacctgctag gtcaaaacac tgcagcattt gtgatcgctg tgttgctcga tttgatcatc 300

actgtggatg gatggttagc aatctttgaa attctccctc tttataagat tgcttgcatt 360

gttctcattt aatatacatc atgtgttttt ttggagttgt gctgaaagtt gttttactca 420

cagaacaatt gc 432

<210> 3974
<211> 401
<212> DNA
<213> Glycine max

<400> 3974

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acgagacatc ttgccaaaca aagtcaggtt agcgataact cgcctgtgct ttttttttaca 120

tgctatatgt agcaaagaca ttgatcctgc caagtttgat gagttggaaa atgaggccgc 180

aattatattg tgccacttgg agatgtattt atcccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtca cagaaatcaa atgttgtggt cctgtttatc tactgtggat 300

gtacccgatt gaccgataca tgaagatctt aacagggaat acaaagaatc tatattgtcc 360

agaagcatct attgttgaga ggtacattgt agaagaagcc a 401

<210> 3975
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3975

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aaatttggtg ctaatggtgc aatgttattt tggtcaccag atgaacacct atctctcaat 120

ggatggtgtc ctctatcgca agccacactt tgaacagctt ttcaaggaat ctggcaattt 180

cagcaagaac tttcaaacaa gtaagatgta accatccttt gttcatcact ttgtttacta 240

attttattca accgcaatct cattgagtac aaattcatat gcacctgtca ctttctattg 300

acttggctaa catgttatgt tgttttcatg accataattg cggcacagca aagtcttctg 360

ataaacaaaa tgagacggta tgnttacgat ccagnctaaa cacatatgtt gcattttgag 420

t 421

<210> 3976
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3976

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gtacaaagag tacatcactg atgcaagaat gacctctatc ctttgttttg ataaggacct 120

tcccaattcc tttagcactc aaagttctat catcagcaaa tttgacttga ctcttcacag 180

attgatcaag gttgagaaac cactctcttc ttcctgtcat atgagttgag caacctgtgt 240

ctatgtacga acatttatca cttgcccctt caatntgant anntaccatt aacagtacct 300

gttcagtgtc atcatcttct tcctgagcca attatgcat 339

<210> 3977
<211> 421
<212> DNA
<213> Glycine max

<400> 3977

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ctactcatta atgaatatga tgatccaatc aatgctatag tcaaatcaac attcccagac 120

ttagaccagc accacaataa tcctcaattc ttcaaatcta gggcaatact agcttcaaca 180

aatgaaacag tagaacagat caatgattat gtactatcct tcattccacg taattatctc 240

attagttatt taattgacat ttctttagtc aaaaatatgc ccactgaaat tggaattctg 300

caaaccatat gtgaccacat ggaatatcta cgctctgatt ccgttgacca catccagttg 360

gccaacttat tgtatcaagc ttaaaattag aagtactata atgctcttaa cgaacctcga 420

c 421

<210> 3978
<211> 433
<212> DNA
<213> Glycine max

<400> 3978

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aataatgctg caaggtcgac acaaattccc cttttcagtg aaccagtttt tttgcccagt 120

cctccctgca gcagcaacaa ttagcaaacc aaaacaccaa ataaccaacc attgacgaat 180

aaacatttca ctgcttcaaa tttctatcta acaaattcaa aagcccgagc tgcaatttct 240

atactctaaa caaaactgta acctcaattt aaaatcaaat gcactctcaa ccgtaaatgc 300

aacaatcagc aaacctaaac gccaaatcac caacgaacaa acatttcacc gtttcaaatt 360

tcaatctgca acagcaaata gcaattgcag ccacaacact acaatttcaa aagcctcact 420

gtaattgcta taa 433

<210> 3979
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3979

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caacagtcac atctttttat gtggttcttg aatggctatc aaaggcctat atatatgtga 120

cttgagacac gaatttgcga agagtttttc agaacaaaaa ggtcttatcc tcttaaaaag 180

caaaatcgtt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240

ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttctcttc 300

ttcttcattc tgaaaaggga ttaagagacc gagggtctcc ttgtaaagaa ttctaaacac 360

aaaggaagga ttgtccttgt gtgtctagaa cttgtcaaag gagtntacaa gatagtggaa 420

ctctcaagcc ggttgcttgg ggactggacg t 451

<210> 3980
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3980

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ctctatttct aattatccaa gtttttttact tatccatgca taggtttttt actgaagggt 180

attattataa gtatttatat aactattttt ttaattaaaa ttagagtttt actctggtga 240

agtgtgtaat atttattgtc tttattgtgc gagttactaa atgaaactct aattttagtt 300

tataaacatt ataaaaaaca tttaaggtgc tactcttacg ttntataaaa agataaatag 360

aatagat 367

<210> 3981
<211> 374
<212> DNA
<213> Glycine max

<400> 3981

tcaaagtcca ccccaagaag gacattagag gattctatgt tgccatggat taaggatgaa 60

acttgatgga tgtaagcaag tccttgtgct acatgttctg ctattttcaa gcatgatgtc 120

caatgcaatg gttttgccct cgctgatctt gaacctgggc ataataatca tcatcaaaca 180

tcaattgggc aataactgat agcatgtttg acgtggccgt gaggtgagtc aaaattaatt 240

ttaatttcat ggtagatgtg aaacacatta ttttggaaaa atcatggtga caacgattct 300

tttttatcag atgatgctga ttatgaggta actaccatga ttttaatggt atacaaacat 360

gctatggaac tgat 374

<210> 3982
<211> 456
<212> DNA
<213> Glycine max

<400> 3982

agcttcaaca tcataccact tccagggtgc tggaactact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgctgtg gatgatttct 120

ccacatttac ctgcgtctac tttatcacac aaaaatcaca caccttcgaa gtattcaagg 180

agttgagtct aagacttcca agagaaaaag actgcgtcat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac agcaagttta ctgaatactg cacatctgaa ggcatcattc 300

atgagttctc tgcagccatt acaccacaac ataatggcat agttgaaagg aagaacatga 360

ctttgcaaga ggctgctatg gtcatgcttc atgccaaaga acttccctat aatctctggg 420

ctgaagccat gaacacagca tgctacatcc acaaca 456

<210> 3983
<211> 435
<212> DNA
<213> Glycine max

<400> 3983

tattggagat gtgctacagg aaatatgtcc aaacagtgga caaatcattt agcaatggta 60

gaactatggt ataataccaa gtttcataca accacccaaa tgacactttt tgaggcctca 120

tatgggtatg gacctacaag tcctaattta atagacaagg gagaaactct aattgaggca 180

gtagattaca ctgtgaagac aagagagcag attggaagaa tgttgcaaga caaactcagt 240

aaagctcaag agagaatgaa gatgtatgca gacaagaaga ggatagacaa agagtttaat 300

tctggagatc ttgtgtactt gaagattcaa ccatgcaagc aacactcctt ggcaaataca 360

tactttcaca agctattggt gaggtattat ggtccctaca aggttattga caggatatgg 420

aaggtagcat acaaa 435

<210> 3984
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3984

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cagcctgctt agaggtaagg gatgagttta tcgcaattga ggttaaaatg aacatatgta 120

gtgatgtaga tccatgtgca gcttgtaggc cttggatctt cttcatcaat gaagtttttt 180

gcttcttgaa gatcaataaa aggggaatag agaaggaaga aagacgatta gagatgtcac 240

ttcaaggaga agatgagtca agaacaagct caccatcaaa agaagccatg gataagagct 300

tgaaggtagg atgagatgag tggagggaga aggagagaac gagcatgaaa ttntatacct 360

canatgaggt ctgaactttg aagtgtaaat ctaaaatgat caaagttgaa aaaagtgcac 420

acacaaggcc tctanttata gcctaagtga ca 452

<210> 3985
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3985

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

tcagatttac ctgggtctac tttatcagag aaaaatcaca cacctttgaa gtgttcaagg 180

agttgagtct aagacttcaa agagagaaag actgtgtcat ctaaagaatc atgagtgacc 240

atggcacaga gtctgaaaac agcgagttta ctgaatactg cacatctgaa ggcatcattc 300

atgagttctc tgcagccatt acaccacaac ataatggcat aagtgaaagg aaaaacatga 360

ctctgcaaga ggctgctagg gtcatgcttc atgccanaga actttcctat aatctctggg 420

ctgaagccat gaacacagca tgctaca 447

<210> 3986
<211> 446
<212> DNA
<213> Glycine max

<400> 3986

agctttgatg caacatttgg agaggttaat gatacaacga gatgatgcgc tccatgagag 60

gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240

caacaactat gaggaggacc acaaggtgaa gcttgccgcc acagagtttt ccgactatgc 300

tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatggttga 360

tacatggacg gagatgaata agatcatgag gaagcggtat gtgccggcta gttactcaac 420

ggacttgaaa ttcaagctcc aaaaac 446

<210> 3987
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3987

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acttgacgga tgtaagcaag tccttgtgct acatcttctg ctattttcaa gcatgatgtc 120

caatgcaatg gttttgccct cgctgatctt gaacctgtgc ataataatca tcatcaaaca 180

tcaattgggc aataactgat agcatgtttg aggtggccgt gaggtgagtc aaaattaatt 240

ttgatttcat ggtagatgtg aaacacatta ttttggaaaa atcatggtga caatgattct 300

tttttatcag atgatgctga tattgaggta atcaccatga tttttaatgg tatncaaaca 360

tgctatggaa ctgattggtc ccccacacac caagaagtta ggtcttttgc atagaatact 420

atagaattga aattttgaat 440

<210> 3988
<211> 459
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 3988

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgngtctac tttatcagag aaaaatcaga caccttgaa gtattcaagg 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac agcaagttta ctgaatactg cacatctgaa ggcatcattc 300

atgagttctc tgcagccatt acaccacaac aaaatggcat agttgaaagg aaaaacagga 360

ctntgcaaga ggctgctagg gtcatgcttc atgccaaaga acttccctat aatctctggg 420

ctgaagccat gaacacagca tgctacatcc acaacagag 459

<210> 3989
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3989

agcttcaatg tacacataca actaaataac aattctcaac caagatgaga tacatctacc 60

tacttcagnt tgtaaagcat cacgaactgc tgcaagtaag ctatcacgag acgtgcttgc 120

ataaacctac aattcatgcc acatgcgtga gaaaatttaa aacataataa attataacta 180

aatagcacaa caaaatctta catggatggg gcatccatca ctaaattcaa ttgcaaacat 240

ctgtggctct tcagcaaacc gaacaagagc agttactgaa gataacggac gaacagtaac 300

agcctgcaaa catctagtaa aaattctcaa cacttgacat aacacttctc attatgagta 360

agactcagct ttcatagaca tatanatgca ttaataagag agtggttgca ttaacaacac 420

gtaaagccaa cataaaact 439

<210> 3990
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3990

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ccataaacaa ctttcaaagg agaacaatta gtggtgctat gaacagctct attgtaagca 120

aattcaacat ggggtaaaca agcttcccaa gtttttaagt tattcctcaa aactgtccta 180

agcaaagttc caaaagtcct attaacaact tctcgttgcc cattcggttg tgggtgacaa 240

gtggttgaaa ataacaattt agtgcccaac ttgctccaca tagtcctcca aaaatgcaaa 300

tcatcaagcc taggtatagg atgcctatat ttaatggtga tgttattaag ggctctacaa 360

tcagaacaca tgcgccatgt cccatccttt ttanggacca naatcactgg gacag 415

<210> 3991
<211> 429
<212> DNA
<213> Glycine max

<400> 3991

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tcttcaccaa atcattgaga ggtgatgcaa ttgtagagaa attaggaacg aaccttctat 120

agaagcttgc taacccatgg aagctcctaa tatctcccac acttttgggg gtgggctatt 180

cttggatggc cttgattttc tcagggtcca cttggacccc atttctacca actacaaaac 240

ctaagaaaac tatattatct acacaaaagg tacacttctc tatatttgca tagagggtgt 300

ttttcctaag gattgaaaga acttgcctga gatgtcctaa gtgatcatct aggctcctac 360

tgtacactaa aatatcatca aaataaacaa ctacaaatat acctatgaaa tcccttaaga 420

catgatgca 429

<210> 3992
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3992

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caaagttgag cttcccggtg agtataatgt tagttccacc ttcaatgtct ctgacttatc 120

tctttttgat acagatagag aatccgattt gaggacaaat ccttctcaag agggagagaa 180

tgatgaggac atgaccaaga gcaagggcaa ggatccactt gaaggacttg gaggacctat 240

gacaagggct agagcaagga aagccaagga agctcttcaa caagtgttgt ccatactatt 300

tgaatacaag cccaagtttc aaggagaaaa gtccaaggtt gtgagttgta tcatggccca 360

catggaggag gactaaaggg cgccacttcg tctcaattat agagtgttta gttggtctaa 420

ataatggccc aatccatgta aagttggctg accaaaaata t 461

<210> 3993
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3993

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ttgngataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcagttgga 180

tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt ataggggcat tagttagctt ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catttgaaac cagcattntt cttgagcact 360

tcattgagag gtgctgccaa tgtgctaaaa atcttcacaa atcgtctata aaaactngct 420

aagccatgaa aactc 435

<210> 3994
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3994

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ttcgaacttt aattatcttt taattcgttc ctaaagatag atcgccaaat ctgttgctaa 120

ctgcacaata atctgttaaa gatataacag atttatgtgt ccagtatttc gggcaggatg 180

tcctggacat tgtatccgac atcgtggatc ctgcacaatc tattaaagat ataacaaatt 240

tatgtgtcca gtattttcgg gcaggatgtc ctggacattg tatccgacat cgtggatcct 300

gcagcttcaa ttcttcattt gacattttat cttgccttgt gcattgtgca gcccgatctg 360

attcttgaca taatgttaga catcatgtgc agcaactcca gcttntcttc aatgtctaag 420

tgcttat 427

<210> 3995
<211> 448
<212> DNA
<213> Glycine max

<400> 3995

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catttgttgc ccaagtttca tggtcttgca cgtgaagatc ctcataagca tattaaggag 120

ttccatattg tctgttccac catgaagccc cctgatgtcc acgaagatca tatctttcta 180

aaggcttttc ctcattctct ggaaaaagat tggttgtact accttgctcc caggtccatt 240

accagctggg atgaccttaa gtgggtgttc ttggagaaat tcttccctgc atcaaggacc 300

actgccatca gaaaagacat ttcaggcatc atgcaactta gcggagagag cttgtatgag 360

tactgagata gattcaagac attgtgtgct agctgtcctc accactatat atctgagcaa 420

ctgcttctgc aatatttcta tgatggac 448

<210> 3996
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3996

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aacggaagct ctcgagaaat tccaatgctc attaccttta actcggaggt ctgatttagg 120

cgcctaatat atcaagacgc tcgaaattga acaacggaag ctctctagaa attcaaatgg 180

tcataacttt tcactccgag gttcgattca agtgcatgat atatccagac gctcgaaatt 240

gaacaataga agctctcgag aaattcaaat ggtcataacc ttaaactcgg aggtccgatt 300

taggcgcata atatatcgag acgctcgaaa tttaacaatg gaagctcttg ggcaattaca 360

atggtcataa ctttcatctc ggaggtccga ttcgagttac taatatatcg agacaatcga 420

aattgaacaa tggatgctct cgagatatca aatggcataa ctttaac 467

<210> 3997
<211> 451
<212> DNA
<213> Glycine max

<400> 3997

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tctattttta atggagaggg ttaccactac tggaaaaccc gaatgcaaat tttcattgaa 120

gcaatagact taaacatttg ggaagccata gaagttggac cttatgtacc caccatggtg 180

gctagaaata caacaataga gaaacctaga gaagagtggt ttgaagaaga aagaagatta 240

gtgcagtaca atttaaaggc taaaaacatt attatttctg ccctaggaat ggatgaatat 300

tttagggttt caaattgtaa gagtgctacg gatatgtggg acactctaca agttacacat 360

gagggaacaa ctgatgtcaa tgcaattttc ccaacagggg cctcatcatt cacagtcggg 420

cccgccttct ccttctcgcc tatattcgcc t 451

<210> 3998
<211> 421
<212> DNA
<213> Glycine max

<400> 3998

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gtctttgggg cacgccctat tcaaatcaat gtagttggtg cacatttgtc atttgtcgtt 120

ggcctttatt accatgatga cattggcgag ccaagtagaa tacctaactt ctgttatgaa 180

gctatcatta aggagtttgt cgacttcttc tttgatggct ttacgtcgat attctctcat 240

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tatgctggga taaattctcg gcatgtcagc tgactaccaa gcaaaacaat ccgtattcct 360

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g 421

<210> 3999
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3999

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atcgagacgc tcgaaattga ataccgaagc gctgagcaaa cttaaacgac aaaaactttt 120

tactcggatg tctgattgag tcccgtaata tatcgaaacg ctcgaatgtg aatgtagaag 180

ctctgagcaa attcaaacaa caataacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgagac gctcgaaatg gaataccgaa gctctgagca aattcaaaca ataataactt 300

tttactcgga tgtccgattg agctcccgaa tatatcggaa cgctcgaaat tgaatgtaga 360

agctctgagc aaattcaaac gacaataact ttctacctcg atgtctgatt gag 413

<210> 4000
<211> 401
<212> DNA
<213> Glycine max

<400> 4000

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tactggactc aatcggacat ccgaggaaaa agttatcgta gtttgaattc gctcaaggct 120

tcggcattcc atttcgagcg tttcgatata ttacgggact caatccgaca tcacagtgaa 180

aagttattgc tgtttgaatc tggtcagagc ttcggcattc cattacgagc atctcgatat 240

attacgggac tcaatcagac atccgagtaa aaagttattg tagtcttaat gtgctcaggg 300

cttctgtatt ccatttcgag cgtctcgatg tattacggga ctcaatcaga catccgagtt 360

aaaagctatt gtcgtgtgaa tctgctcaga gctcctacat t 401

<210> 4001
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4001

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aaattatttt taattntttt ttttttgaaa aaggtcagta tccatatctc tctaacatta 120

taaatagaag catcaacttg aggcaacatg cattagacac atactaaaaa agtttaagtc 180

taattttaga catgaagact agaaggagaa tttatccttt agagtttcat tcatcaaata 240

attgatatag attggtttgt gaatatactt agagtcttca cactatattt gaagaaaaat 300

tttactactt aaagaatata tatccgggta tacaaatcta ttttttttcta tgtattatca 360

ttggatatct tgaatacaaa ataaatccta attcttttat gtaaatatta ggaacacttt 420

tatgtaacta ctaactatca tgcatgtata aatcaacact ata 463

<210> 4002
<211> 398
<212> DNA
<213> Glycine max

<400> 4002

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cgttcactat gtccaatgcg ttgttgctga gctccaaaga agtgttgaga accctagcca 120

tggtcttgcc agcctcgttg gtcgtgttct cgaacccatc caaacatgtc tgttggtgag 180

cgagagtacc ggcgatccag accttgagat cataggcgta atcgttcaac ttgtttagtt 240

caaactcttc caacttgcga acggattggt gcatgtcatc gacagcgtaa cctagaactc 300

tcttgcagat gtccatgcgc tgtttgttca tgtcgtcggt ggcaagatcg tggtagagcg 360

tacagtattt tatatgctct gcgatctctt cggccgtg 398

<210> 4003
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4003

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caaaacctgc agcaagtttt gatggttttt taaccactga tactaaattt tcttggtctt 120

tgcaattctc gccaaaggca gcccttgaag caattgtgta aattgatgta agtactgctt 180

cagtgaggtt gatggnggat cctttctttg aatcaatcca tttgacaaga ttgaagagct 240

catcttctct aattggctgg aatgagttga cgcgttttag gcttaaaagc tccaatgtgc 300

atatttttct tagctggctc caataatttc catagccagc aaaagctata cttgtggaat 360

tgtaagacat tatctcaata gctagaactc taggccttgt ggcaaagtta atgtcatggg 420

ttctcatcac tctcctagca cac 443

<210> 4004
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4004

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actctaaaac tactctctct ccctgcgact atggactcta actgggctga caagaatggg 120

tcaaacttct gaccctcacg gatctcgctc aaaagttcgc tggtgactct caacataccc 180

aacttaatgc tactagaggt gatctcacat gccaaactca tgtctctaaa ctgctctaag 240

aggcccaact ctctaaccat caaagcagac atttgaaggg attttctact taaggcgtca 300

gctactacat tggctntacc tggatgatag ctaagctcan aatcgtaatc cttaaggaac 360

tctaaccatc tcctctgcct catgttaagc tctttctgat caaacacata tctaaggctc 420

ttatggtcac taaacacct 439

<210> 4005
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4005

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tcaaatggtg tacggaaaag catgccacct acaagggtag ttagaaataa aagcttattg 120

ggccatgaag ttcctcaact ttgactctac aacatgtaga gagaggagga aggtaaagct 180

acaggaactt aaagagatgc gcctcaacgc atatgaatca tccaagctct acaaagaaag 240

aaccaattgg taccatgaaa aatgtagaag caagcttcat gatgatgaat caaatttgat 300

tcaagttgtt ttgatgataa caaagatgat gaaaaaaagc ccaagagaat gatttcaaga 360

ttgagtcaag aacaattcan gagtcaagag aaatttgata tcaag 405

<210> 4006

<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4006

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gctgttgaag aagaacgtgg cattcacttg gggtgacaga caagagcaag cctttgcttc 120

gctcaaagaa aagctcaccc atgcacctgt tctagctctt cctgactttt ctaaaacttt 180

agagctagaa tgtggtgcct ctggagtggg tgtgggagct atattgatgc aaggagggaa 240

cactattgct ttatatagag aataccttca tggtgccacc ctcaactacc ccacctatga 300

tatagagctg tatcccttaa taagagccct gcatacttga gaacattacc ttggtttcaa 360

ggaatctgac attcatagag atcatgaatc acttgattac attagatggc acagcaagtt 420

aaa 423

<210> 4007
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4007

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attcaataca ccacttaatc cattctttcc aaactgatga aagaggtcct gccatttaaa 120

catgtacatg atacatcagc aaaccataaa gtacaaaaac tacagcaaat acaggacaaa 180

atcatatttg acaaattgac acggcataaa gaaacacacc tgttatataa cctggatcaa 240

gttctgtaat gccagacaga ccactatccg gacgggactt gcaatcagga tgatctgtct 300

ggttgtaagg atccaacacc atgcacttaa gccagcaatt gacagcagaa agaagctgca 360

aaacattaat tctcagtttc tcacatacca cactnttaac tntntaaatc gcagctcatt 420

agagctaatt tatacacagc aggagatat 449

<210> 4008
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4008

tactaagctt gaatcgatac acatatactg taatcgatta ccagagctta tctttagaaa 60

atattctcaa caatcacatc tttttatgtg gttcttgaat ggctatcaaa ggcctatata 120

tatgtgactt gagacacgaa tttgcgaaga gtctttcaga acaaaaaggc cttatcctct 180

taaaaagcaa aatcgtttta ttctcttaca aattccttgc ccaaaacact tgtgattcaa 240

taaggaatta tttgagtgct caaattgntt aatctatcta tttcaaaata gattncttct 300

tttcttcttc ttcattctga aaagggatca agagaccgcc ggtctcttgt tgtg 354

<210> 4009
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4009

tgtcaaagaa tccaacctct catggtagaa gcaaacacat ataaactagg tttcactatc 60

ttanggatca agtgaacaaa gagaaactaa aagtggagta ctgctgcaca tttgatcaac 120

ttgctaatat tttaaccaaa cccctcaaag gggagaagtt taaaatgtta agggatagaa 180

ttggcttgat gaacttacga gatcagaatt aagggagggt gtgaaagctt aattctgttt 240

ttgagtggtg tatatataat tgtacattgg atataagaga gtaacagaat tttaaaattc 300

tgttataagt gcctacccta antgtgaaag gttgttactc tgttttgctt gtataaaaag 360

acatacatgc atcttaataa tgaggattat tcattctatc atgttctcag tctttagcgt 420

tat 423

<210> 4010
<211> 381
<212> DNA
<213> Glycine max

<400> 4010

ttcaattctt ttggaagttc atcagttgat ttggcttctt ctggatgatc ttcattgctt 60

cctttccctt tccctttgga atcttgtcca tgaatatgca ttatttctaa agattctgca 120

acatcatcta aaatatcctt tctcggagaa atagcattag actcatcaaa ggaaacatga 180

atagattctt caatagtcat agctctttta ttatgtattc tataagcttt actatgcaag 240

gaatatccaa ggaaaattcc ttcattagac ttagcatcaa attttcctat gttttcttta 300

ccattgttta atacaaagca tttgccacca aaaacatgaa gatgtgaaat gttgggttat 360

ctagcactaa acaattcata t 381

<210> 4011
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4011

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cagcggaatg gagaagaaga ggagttgaga ggagatgcca cttcaaggag aagatgagtc 120

aagaagaagc tcaccaccat ggcctctatt tatagcctaa gtgtcacaca aaattggagg 180

ggaaattgaa tttctattca aatttcactt gaatttgaaa ttgaatttgt ggagccaaaa 240

tttcactaat tatgattagt gaattntagc tatggttcag cccactaatc caagatcaag 300

tccaagattc tccactaagt gtgcttaggt gtcatgaggc atgtaaagca tgaaggatgt 360

gcacaaagtg tgactatatg atgtgg 386

<210> 4012
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4012

tgtgctcatt ctggtatgtg tacattaact actgtattgg cgctagngct catactggat 60

acggtgatga agcttggaat atcttcaatt cgatgcccct acgatatggc attcaacctt 120

tggtggatca ttatgcttgc atggtgggcg tgcttaactg agctggtact ctattataaa 180

cagcaaaatt cgtgtctgag ataccactcg aaccaagtgc tcaagtttgg ggtgctctgc 240

tacaccgagc ctttgtttat ggtggtgt 268

<210> 4013
<211> 309
<212> DNA

<213> Glycine max

<400> 4013

tgcttgtacg ccctggatct tcttcatcaa ttgattcttt gcttcttgaa tatcaatggc 60

agcggtatgg agaagaagag gagttgagag gagatgccac ttcaaggaga atatgattca 120

tgatagaatc taccaccctt gcctctattt atagctctaa tgtcacacaa aattggatgg 180

aaatttgaat ttctattcaa atttcacttg atattgaaat cggatctgtg gagccaaaat 240

ttcactaatt atgattagtg aagtttagct atggttcagt ccactaatcc aagatcaagt 300

tcaagaatc 309

<210> 4014
<211> 447
<212> DNA
<213> Glycine max

<400> 4014

tctaagcttg ctacccaagg aaccatcaag aaattacttg tgaatgagag ccatgagggt 60

gggctcatgg gccactttgg gatagacaag agccttgtct tactcaaaga aaagttctat 120

tggccccata tgaagaaaga tgtgcatagg ctagtctagg gtgatgcctc atgggctata 180

cacaccctta cccattccat ctgcaccttg ggtagacatt agtatggact ctgtccttgg 240

gctccttaga acccaaagag gtgtagactc taactctgtg gtggtagata ggtttagcaa 300

gatggcacac tttataccat gccacaaggt ggatgatgct tgctacatct caaaactcta 360

tcttactgga agtgtgagac tccaatggtt gcctaagacc atcgtgtcaa atagagatga 420

ttagttcctt gccccttcta taaaaca 447

<210> 4015
<211> 412
<212> DNA
<213> Glycine max

<400> 4015

agcttatgtt gcacacatct acaatagacc tcctcaacct cagcatcaaa atcagccaca 60

acaaaacaat taagacctct ccagcaacag gtacaatccc gggtggagga atcatcccaa 120

ccttagatgg tcgaatcctt cacaacaaca acaacaacaa caacagcctt attttcaaaa 180

tgttgctggc ccaagcagac catacgttcc tccaccaata cagcagcgac aacaacaaca 240

gcaatagccc tataaacagc aaacagttga ggctcctgcg caaccttacc ttgaagaact 300

tgcgaggcaa atgactatgc aaaacatgca gttttaacaa gagaccagag cctccattga 360

tagcttaact aatcaaatgg gacaattggc tacacagttg aatcaacaac ag 412

<210> 4016
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4016

ctcaactctt attaatggga gagaaatgtt catctagagc atacaagtcc ctaatattat 60

caaatcctaa aattagagct cctacggagc aaaacaatgt gtgtctccta gagagggcat 120

cagctaccac atttgacttt accttgttgt atttgataac atatggaaat tgctctaggt 180

actctacccc actatgcatg ccttttgctt aacttgctnt gacctctaat gtacttaagt 240

gattgatgat cactatgaat ga 262

<210> 4017
<211> 443
<212> DNA
<213> Glycine max

<400> 4017

tgatgatatg gttgttagac aagtggcctc agatatctta agaaggggg gttgaattaa 60

gatattccaa actacttccc caattaaaaa tctatttgac tttttttaa ttgagttata 120

aattcccta acaatgaact tcttaaatat taattcaaat aaaaaaattt gaatatgatt 180

ataaagcaat aataaataaa ggagtttaag ggaagagaaa gtgcaaactc atatttatac 240

tggttcgacc acacccttgt gcctacgtcc agtccccaaa taacccgctt gagagttcga 300

ctatcttgta aattcctttt acaagttcta aacacacaag gacaatcctt cctttgtggt 360

ttagaattct ttacaacaag agaccctcgg tctcttaatc ccttagagaa ttagaaagag 420

aagaagaatg aatctctctt gaa 443

<210> 4018
<211> 435

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4018

tgtatnntgt ggattcactt tgatctcaac tntaccatat ggaaaaacat tagtctgcac 60

aaaaggacca atccactttg acctcaactt accactcatg agtccgagcc tagagttata 120

caataaaact ttntgtccaa ccacaaagtc cttcttagcc atcaagctgt catggaactt 180

cttggtcttc tccttgtaga atttggaatt ctcataggct tctaaacgga tctcatttag 240

ctcacttagt tgcaacttcc tttcttctcc agcctggtcc atagagaagt tgcaagtctt 300

tacagcccaa tagactttgt gctctatctc tacaagaaga tggcatgcct tgccaaaggc 360

aacccgataa ggagacattc ctatgggtgc tntgtaagca gtcctatgcg cccaaagagc 420

atcatctagc ctagt 435

<210> 4019
<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4019

ggaatcggac atccgtgtga gaatntatga ccatttgaat ttctcaagag cttccgttgt 60

tcaatttcga gcttctcgat atgtgatttg cctgaatcgg acatccgcgt gaaaagttat 120

accacgcgaa tttctccaga gctttcgctg gtcagttttg agcggctcga tatgtgattt 180

gcctgaattg gacatccgtg tgaaaagtta tgac 214

<210> 4020
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4020

gtgatcatct tggattgact atagaactaa tctctaattt tagactctga catactgaac 60

ttgttnttac ctccttcaag aatgcgtttc ttaaaaatga aatttgtgtt atcctctaaa 120

aacttaatta gtatgtgttg ttgattgagt cacttttttt aaaaaaaaat actttcggct 180

aaaactactt aaccagttat ttttactttc aaattactct ccttgttaat ttttaaccgt 240

tgcattttag ggaaaaaaaa cttggttatg tttatctatc attcataaag aataatatca 300

cattaattat ttatttatta attatatatt cttgcttatc tcttaatctt aattaattta 360

tatatgtatt tatcgtggga taaaaagaaa aaagttaaat aataagaaat tctataacta 420

ttttagtgaa atcaaaaaaa ttaatta 447

<210> 4021
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4021

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tatcacccat atcgattgta aaaagctctt aatggaagtc caaagtctgg attttccctg 120

ataccttat cgagaaatga actttatgag caggtgaagg acatacatac tatctttgga 180

aagacccaaa ataaagatgc aaataagaca aacatatgaa agaagatgtc gatattttca 240

atcttccata ctantctgtc ctagatgtta gacattgtat tgatgtgatg catgtggaga 300

aaatttttg cgatagttta atcaacacac ttcttaacat taaaggcaag acaaaggata 360

acttgaatgc tcgtcaagaa ttcggtgaca tgggtagtga gacatttaag atacttattt 420

ggagac 426

<210> 4022
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4022

gctcgccacc acggagttgt ccaactatgc tcttgtgtgg tggaacaagc tacaaaatga 60

gagagcaaga aatgaagagc caatggttga tacatggaca gagatgaaaa agatcatgag 120

gaagcgatat gtgccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180

ccaaggcaac aaggggttg aggagtattt caaggaaatg gatgtggtca tgattcaagc 240

aaagattgaa gaagatgagg aggtaactat ggctcgattt cttaatggtt tgactaatga 300

tatccgtgat attgttgagc tacaggagtt tattgaaatg gatgatttgc ttcacaaagc 360

aatccaagga gagcaacaat taaaaaggaa aggagtggct aagaggagtt ntaccaactt 420

tggttcttct aattggaaag acaa 444

<210> 4023
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4023

agcttnccaa gttttaagtt attcctcaca actgttttaa gcaaagtttc caaagtccta 60

ttaacaactt ccgtttgccc atcggtttgt gggtgacaag tggttgaaaa taacaattta 120

gtgcccaact tgctccacaa agtcctccaa aaatgcaaat catcaagcct aggtatagga 180

tgcctatatt taatggtgat gttattaagg gctctacaat cagaacacat gcgccatgtc 240

ccatcctttt tanggaccaa aatcactggg acagcacaag gactcgtact atctcttacc 300

caaccttngc taatgagttc atccacttgt ctttgaatct ctttggnttc tcgtgaatta 360

cttctatagg ctggcctatt ggcaaagacg ctccggaatg agatcaattg atgctcaatt 420

ccctc 425

<210> 4024
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4024

tgccaagtgt ttntatggtt catttcanat attggagcat attggcaaag tggcttacaa 60

actccaatta ccggaagggt ctcgaattca ttctgttttt cacagctccg ttctcaaacc 120

attccacaaa ttgtctgaag attcgatttc ccctgtggca ttacttgaaa cagaagttga 180

caaccaacct gtgatcacac ctcttgctat tattaatact cgttgagatc actctactgc 240

tgaaccccgc ttgatggtac tggttcaatg gacaggcctg tcccctgatg atacctcatg 300

ggaagattgg gctagtttga aagctgatta tcaccttgag gacaaggtgt ttttagatgg 360

cataggggat gataggaaag gaaccatggc ctaacatgat attactgtgg atgttaatg 419

<210> 4025
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4025

agcttcacca tgtcttgggc aactctaaga ggctctctaa tcaatttgaa ggatgaacca 60

ctgggcttgt ccacttcagt tttttgtgaa agaaaaggtt ctaatgacag tggatttttg 120

ttccatcacc atattatctt atttttggta ggaaatagct gttgaaaatg ataagaatct 180

tgttgaaatc ctagaaaact tgaatccaat agatgttgtt aaatacatga atttttcagt 240

gcccccaagc tggtgctata gctacatttt cangcacaac acatgacaac ttntgtggaa 300

aatcaatctt agagttaaga tatgaagctt atgttatgat ggcaatatgt tgtatcaaat 360

caatctgcac atctgctagc ctatcttgga aaaattgatg ccacaaata 409

<210> 4026
<211> 345
<212> DNA
<213> Glycine max

<400> 4026

ctatataata tattgtgaag ataaataata aaacaagcat attttgaata ggttcaaata 60

aaacatacaa tactaaaaat gaataatata ctaaattaca taaaacatga tccccttctt 120

tgaactgaaa gagctttctt ggcttgtcat aataactttt atgtctgtct tgtgacattt 180

tgatctatcc actaatcatc ttaatcttat ttgaagcttt gttggctatc tttggaccta 240

agatcaaagg gtttctagta ccataccatc ataatgaggt tcttcatctt cttccatata 300

tacaaagcct tgtatggagt catttctatt ctagaatgaa aatta 345

<210> 4027
<211> 358
<212> DNA
<213> Glycine max

<400> 4027

tccgttggtt caatttgaga gtctcgatat gtgatgcgcc tgaatcggac atccgagtga 60

aaagttatga ctatttgaat ctcccgagag cttccgttgt ccaatttcta ttgtctcgat 120

atattatgcg cgctgaatcg gacctcagtg tgaaaagtta tgaccatttg aatatcacga 180

gagctttcat tgttcaattt cgagcgtctc gatatgtgat gctcctaaat cggacattcg 240

agtgcaaagt tatgacccat ttgacttctt gagcgcttgc gttattctat gttgagcagc 300

ttgatatatg aagcacctga atccggcatc cgactgaaaa gttatgacca tttgaatt 358

<210> 4028
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4028

agctttccgc tcggatgtcc gattcangtg tatcttatat tgagacactc gaaattgatc 60

aatggaagct ctcgagatat tcaaatggtc ataactctta acaacgtggt ctgattcagg 120

cgcataaaat aacaagacgt ttgtaattga acaacggaag ctcgagagaa actcaaatgg 180

tcataacttt tcacaccgag gtccgactca ggcgcgtcat atatcgtgat gttacgtatt 240

gaacaccgga agctctcgag aaattcaaat ggtcataact tttcactcgg atgtccaatt 300

cacgcacatc acatatctat acgttcgcaa tggaacaacc gaagctcttg agaaattcaa 360

atggtcata 369

<210> 4029
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4029

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acattccttt tggcaaatgg aagtataaat atttcccact ctacacatct tgtacattat 120

tcaaattctc atcactaact ccacataaaa acaaatttat cactacataa cagcaaatta 180

tctccaagtt ccattcttca atgaatcatt ttgcaagatc tttacctgat tcctcatcaa 240

ctttcttctg cattttcctc tccttgcaat cagaaaagta aatcatgcac gacagccatt 300

tcagggtatt taacacagcg aggagcccaa tntgtacaaa tatcccatac cctcctttat 360

agcatccaag ggagacacat gacaacctta aacaaagtcc caaagcaaag aatacaagca 420

tcacaagtag tcctctcttc tgattacctc t 451

<210> 4030
<211> 394
<212> DNA
<213> Glycine max

<400> 4030

tttactcgga tgtccgattg agtcctgtta tatatcgaga tgctccaaat tgaaaatagt 60

agctcctagc aaattcaaac cataataact ttttactcgg atgtccgatt gtgtcccgta 120

gtatatggtg agtgctcgaa attgaaaaca taaggtctga gcaaattcaa acgacattaa 180

ctttttactc agatgtccga ttgagtcccg taatatatcg agatgctcca aattgaaaat 240

agaagctcct agcacattca aaacataata actttctact cggatgtccg attgagtccc 300

gtaatatatc tagacgctcg atattgaaaa tagaagctct gagcaaatcc aaacgacatt 360

aacttttttt ctcgatgtac gattgtgtca ctta 394

<210> 4031
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4031

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cttgttctcc tcctttcttt ttcatttttc atagaaaatt tgatagattt atagatataa 120

tatatttgct cttatatcta tatcttacat aatattttga ttaaatataa ttaaattcta 180

attatatgaa tttatactca caagttaaaa catcacactc acactaacaa tttattaaaa 240

aattcaaaaa caacaaatta aaaattatga aaaacagaaa ataattgata ttaataattt 300

tatccaaatt taattctgaa ttaacataaa caataaaaat ttgacagatt tatacatata 360

tatctgctcg tataggtata tcttaaaact aaaacacatt acagatctta atccaaataa 420

tcaatacact 430

<210> 4032
<211> 430
<212> DNA

<213> Glycine max

<400> 4032

ctcaagcttc tcgatatgtt atgcgtctga atcggacatg cgagtgatat atcatgacca 60

ttttaatttc ccgagagctt ccgttgttca atttctagca tctcgatacg ctatgtgcct 120

gaatcggaca tgcgagtgaa aagatatgac catttgaatt tctcgagagc ttgcgtagtt 180

aaatttctag cgtctcgata cgctatgcgc ctacatcgaa catgcgagtg aaaagttatg 240

accattttaa tttctcgaga gattccgttg gtcaatgtcg agcgtctcga tatgttatgt 300

gcctgaatcg gacatgcgca tgaaaagtta tgaccatttt aattgctcga gagcatctgc 360

tgttcagatt gtagcgtctc gatactctat gcgcctgaat ctgacatgcg agtgaaaagc 420

tattaccatt 430

<210> 4033
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4033

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agagatcatc atgaagaaga ctggaggaga agagggaatg atggtgctcc tacacaaaac 120

cgaatcgatg gtattaaact caacattcct ccatttcaag gaaagaatga tccggacgcc 180

tactcggagt gggagatgaa aatccagcat gtttctcatg cacaactatg acgatgacca 240

tacagtgaag cttgctgccc cggagttctc cgactatgct cttgtgtggt ggaacaagct 300

acaaaaggag agagcaatat atgatgagcc catggttgat acactggaca gagatgaana 360

agatcatgag ga 372

<210> 4034
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4034

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tgatctcaaa aatctctgca tcgataccca atggcccttt tcttccttcc ttggaacctt 120

ccaacttgaa cgaaccccca tctttctttt tcactttcag acgaagacgg cctgcaaatt 180

tttccaactt ggagatgatg attgaggctg gcttgtcgga tgtaaaccgc tcttctttct 240

ttcgatcggt ctcctcgaac aaaccagaca agtcaaaacc tgaggaatag gagatgatgt 300

ctaaagcatt taaattatta caaggctctg tagtttttgc cggttcaata ggatcttcat 360

tctcacaagc tccaaatact ccatcagcat cgagaggagc caggtcttca tcttcattct 420

gagtaatggt aggcttctct aaccc 445

<210> 4035
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4035

cggtacttaa ctcctcaaca tggcagaaag tgaaatgaaa taaaacaatg aacaaacctt 60

ttaatgtggc tccatgtaga gcttgtacgc cttggacctt cttcattaat ggtgtccttt 120

gcttcatgaa gatcaatggt cacggaatgg agaaaaagga aaggtgattg gagatgcaac 180

ttcaaggaga atataagtca agaacaagct caccaccata agaagccatg aataagagct 240

tgaatgttng agaagatgag tggaatgaga gggagagaaa tgaatgatat tttgggagat 300

aagagggaga aatataacca ct 322

<210> 4036
<211> 461
<212> DNA
<213> Glycine max

<400> 4036

caagcttaca acatctagat ctaagtggaa attctcttcg cggagttatc ccttctgatg 60

tacggaatct tacaagctta cgacacttag agatctaatc ttcaattctt ttcgtggaga 120

aatccattct aacgtaggga tgcttacgag gcttgcaaca tctagatctg agtggaaatt 180

ctcttcttgg agaaattcct tctgaatgag ggaagcttac tgccttacga tatctagatc 240

taagttataa tgtggctatt catggagaga tcccttatca ctttaaagac ctctcacaac 300

tgcaatatct ttgtcttgga gaacataatc gtttcggacc aatcaccttg cggcgtggga 360

atcttgctat ctttcatact cttacacttg aaggcaattc tgatcttaca attaacgatg 420

cacagtggct atcttctctc tcttttctaa cactctgacc t 461

<210> 4037
<211> 419
<212> DNA
<213> Glycine max

<400> 4037

cgagttaacc atattagatt gcccccagtt taagtctctc catcttagaa cttctaagtt 60

taaaagtttc agacttgatg gacctcttcc aacgatttgg ccagaatccc atttcaacct 120

tagccatgcc atgcttaatt tcagacttgg accaagctgt gctgacttca aggctcaata 180

tttcaaccaa acactgttga caataaagaa ttgtgaagct ctcactttat gtgagtggac 240

ttttcaggta tgttcttaat ttctatcatt tctcgtctac tattgctcat ttaatgcaat 300

tatatatctg gccaatttac aacttgagct taattttacg cgctaataga aagacattac 360

aataacttat catacatgac acaacataat ggaaatggga atgcttgcac ctctctata 419

<210> 4038
<211> 454
<212> DNA
<213> Glycine max

<400> 4038

cgacccttac aagtcagttt agtcaatggt aaagctaact tggagaaaac ttctatgaat 60

ctccggtagt atcctgctaa gcccagaaaa ctcttaatct caacaacgga tttaggactc 120

tcccactaaa gaacgacttc tatcttagag ggatctacag ctataccccc ttgagatatc 180

acatgcccta ggaaactaac tgtctctaac caaaactcac acttggacaa cttagcatag 240

agttgtcggt ccctaaaggt atgcaacaca attcttaaat gttcttcatg ttcctctcta 300

gtcttggagt ataccaaaat atcatctatg aatactacca caaaactatt aaggtaaggg 360

tgaaagactc tattcatgta gtccataaac atacctggag cattagtcac accaaagggc 420

atgactagat actcatagtg accataacgg gtcc 454

<210> 4039
<211> 426

<212> DNA
<213> Glycine max

<400> 4039

cttgaagaaa gaatgggaac gggtgaaata gatggaggat gttgttcctt tctttctatc 60

attaagggta cctcaatcag catctacagc agaggattgc gtggtctaaa tggccaaaac 120

agtgaaggag caactgggga aagatgatcc tatgttttcg gcggctgctg aagccatgga 180

agagtgggtc aagctctgga agtcagttag atctgcttga agctcccgaa cttgaagact 240

ctcgtatgac tggaggttat tgccttattg gcttctatat ttctctattt tatttaacta 300

atttatatct gccttttctt cagactgtaa gaactaagct tacattttac ctgacacatt 360

tagactactg gctgaataaa atgagtactt atcggccttg tgacaattga ataaatgctt 420

tgtctt 426

<210> 4040
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4040

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tagctacaca cacccctctc ataactaagc tcacctcctt gagaagcttc cttaagaaga 120

ttcctgaaga agctagagct tagctacaca cacatctcta atagctaagc tcacctcctt 180

gagatgagaa gctagagctt agctacacac cccctataat agctaagctc acccccatga 240

caaaaaaaga tgaaaataca aaaaaaaaaa gtccttacta caaagactac tcaaaatgcc 300

ccgaaataca aggctaaaac cctatactac tagaatggcc aaaatacaag gcccaaacga 360

aggaaatacc tattctaata tttacaaaga tnagcgggct catacttagc ccatgggctc 420

anaatatacc ctaaggctca tgagaaccct ag 452

<210> 4041
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4041

tgatatttag tgagttgaaa agtaacctcc cttnttttat taactttaac acacatacat 60

atatacacaa tacaaggctt agagataaga cagcttgatg ggacattaca atgctgtctt 120

ctgaaacaag ttaaacataa agctagaagc aagcatgtac acacataatt taacagattg 180

aaatgggatg cataataatt aattaggcca aacattgaca tctatttttt tatactattt 240

atgttgtgta ttggattagt gtagtactac tagcacaaac tcaaaccaat aaggctattg 300

tctactgtta agaactttgg gagaactgca ccacaaaagc tggccatttt agttggaggg 360

ctcaaggcct gattagaatc ccatacttnc aacctgggac tctcaagttt cgtaccttcc 420

aagtggatcc taatatccca caacgc 446

<210> 4042
<211> 365
<212> DNA
<213> Glycine max

<400> 4042

actcagctta tatatatcga tatgctcgaa attaaacatc ggataacttt tctcacggat 60

gttcgattct ggcgcataag atgtcgagag gctcgacatt gaacaacgga agctcttgag 120

aaatctaaac ggtcataaac ttacacacgg aattccgatt tagacaaatc acataacgac 180

acgctcagaa ttgaacaacg gaagctcttg agaaattcaa atggtcataa catttaactc 240

gaatgtccaa ttatggcgca tcacatatag tgacactcga aattgaacaa tggaagctct 300

cgtgaaattc ataatggcat aactttctac actgaagtcc gattcatgct cataatatat 360

cgata 365

<210> 4043
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4043

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agcaagactc tgacaaagac ttatcttgtc ctttttggaa aaagcatggc tagctggcgg 120

caaggaaata tactctccat ctgacctcgg atgcacacta tgatcgaatc tcccatatca 180

gcttgattat gacgggtgtt caagccatcc ttcgccttgc catgaatgtt aaagagcatc 240

ccaatcacac tgccacatac agttttatcc taacgcatta cattcataca atgtctaacg 300

tctagatcat accatgcctg ctgattaata acagaggacc tcttcttcca tatgccacca 360

taactgttat actta 375

<210> 4044
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4044

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agtctttgga cgaagcaaca acttgaagac tctggagtag accttgatca cattcctcta 120

acatgtgaca acacaagtgc gatcaatcta actaaaaatc cggcatgcat tcttggacta 180

agcatagaaa taaggcatca ttttcataga gatcatgttt taaaaggtga ttgttgaatt 240

gagttcatag atagtgagca tcaactagca tacatattca ctaaactact ttctagagat 300

aggttctttt tcaatagaaa tgaactaggc atcttacgtg cttctagaat agaatgacat 360

tttgtctagt gtatattatc tattgcatat tgcaatccat atctattgat atctctggat 420

aagtcttagt ttggtgat 438

<210> 4045
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4045

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attcaattaa atttattttc aaccacacac atcaaatatt cacttagtgc atgtgaaatt 120

acaaaactac ccctaataca aaaaactagt ctaggtgccc taaaatacaa gggctgaaaa 180

atcctatatt tctaaggtac tctacctaca ttatggagcc ctaaatacaa ggcccaaaaa 240

taatgaaacc ttaatctaat atttacaaag ataagtgggc tcatacttag cccatgggcc 300

caaaatctat cctaagactc ataagaaccc tagggccttc tcttgcatct ctggcccaat 360

ctacttggag tcttctatcc aataccctg cggngtagga ttgcatcaaa aggttacaga 420

gaacttacat tgagaaatcc ttggtaa 447

<210> 4046
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4046

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cttgaagaga atccatcaat tggtctacgg tcattgagtc taaatcctta gactcttcaa 120

tagcacaagc cacataatca aatttagcga ttaaggagcg aaggatcttt tccaccacac 180

gaacatcgtt ccatattttc tccataacgc ttcatttggt tcacaatagc taataccttg 240

ttgtcaaaat ctgagataga ttcagattcc ttcatatgca atgattcaaa ctctctatgt 300

agagtttgta ggcacacctt tnttacctta tcaacacctt caagggaggt tttcaaaatc 360

tcccatgctt ctttggatgt ggttgcattt gacaccaact caaacatagc ttcatccaaa 420

ccttgatgaa tgaaagtaag tgcttgttga t 451

<210> 4047
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4047

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gaactcattc ttgatctttg agctttttgt catcatcaaa acttctttga attaatcttg 120

attcatcatg aagcttgctt ctacatatac ttccataaga atataattnt tttgttatta 180

gataagaaaa ataaaaatga acatactatt tcataatact ggaatgtgta gaacacgtca 240

atatttgttg tgaattctca tacaatctta atgttctttt ttactacttt tgtaaggcaa 300

gaggagaaat ttaacaatta taaattaaac ttgactaata tgacaattta aatgacatgt 360

ttatgctaag atgacccatt caatgaaaca taatattata atcatcatta aaagagtaaa 420

acttcttaag tgctatgtgt gccanatatg tttgaaaaaa aagaacattt atga 474

<210> 4048
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4048

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aacaatagaa tttcatatct accatcatca tccaccctct tttcttagaa aaaacaacaa 120

ccttattgat tgaaaacaca tttattgaga ctcttattag gcatgtaatc atcaaccaac 180

aaaagctcgt tccttttttct acaatactat tggatttgga ccaagttttt ttgttgtaac 240

ctctccatga tcgatatctc caccatgaat tgttgtaaca cttgcttcta atcgtggttc 300

gcacatttca cagtaatttg agtgttattc agtaatgtgc ttctacactc tcacaaaccc 360

tccagaacct gacaacatct ctttcctaaa ttccccngtc acttaactta aa 412

<210> 4049
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4049

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gtatgtatac atgagtntga tgatgtcaaa gaagaatcta acaaggctgc ttcaaatgat 120

aagcatttgc ttcaagaata attcaagatt gcttcaacac acaaagcctt gtttcaagat 180

tcactaaaga ccaagccttg ccttaaaaca aagtgctttc aatacatgca aggctctggt 240

aatcgattac caggaagtgt aatcgattac ccgaagacag ggttgagaaa tattctgtga 300

aaaaggttct gaatatgaat tctcaacatg taatcgatta ccacatgtct gtaatcgatt 360

accagcaacg aaactttgga attcaaatt caaaagttat aacccttcaa attataactg 420

t 421

<210> 4050
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4050

ccagtacaaa agatcaaatg atatcgacct tntcttctat atgtaagttt actttttttc 60

cttcttttgg gtttttccaa atatagtatc catgtgttca accctctaaa aaaccagctg 120

atcagttaac attatcggca cattttcatg ctcttgactt tcattaaaag ctttcttcaa 180

ttgctgataa cggtgataag gtttcataaa acattgatgc atgttgttct tncatgttta 240

agttgtacgc agcttatgcc ttcttcacag atagggcatg catgatggcc cttaacactg 300

tatccgctca aattcccata tgatggaaag ttattaatgg tacaaaatag cattgtgcgc 360

aaatcgaaag tctcatttca aaaaccatca aacact 396

<210> 4051
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4051

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gccccacatt atttccatga cacaaatgca aaaaatgatg atttggaaat tntatgcaca 120

actggtcatg catgcgccta tgcggacgct caagtgtcaa atttttatgg tcatgtgatg 180

ctagggctca ngattcattt cctctattnt aaatcaaccc aatggtttca aaatatgttc 240

ttttatcaat ttgtgcattc ctccaagtcc atttcaagga tggccttcac tttttcgggg 300

tctacctcta tccctttctg gcttacaatg aaaccaagca atttccctga tttgacccca 360

aaggtacact tagcggggtt caaccttaat tgatatttct taagcctttc gaacaactnt 420

cgcaggttga caaggtggtt cttctcggat ntagaattag caattatgtn cgtcacgtag 480

acctcgatc 489

<210> 4052
<211> 183
<212> DNA
<213> Glycine max

<400> 4052

cgagcgtcac gatatgtgat gtgcctgaat tggacatccg agtgaaaagt tattagcatt 60

taatattttt cagagcttcc gttgttcaat ttcgagcgtc tcgatatgtg atgtgcctga 120

atttgacctc cctgtgaaaa tttctgacca tttgaatttc tcgagagctc ccgttgtcaa 180

ttt 183

<210> 4053
<211> 345
<212> DNA
<213> Glycine max

<400> 4053

agcttgagat tgaacaacgg aagctctcga tattaaaaaa tggtcataac ttatcacacg 60

gacgtgcgat tcatgcgcat aaaatatcta gacgctcgaa attgaacaac gaatgctctt 120

gagaaaatct tatgtgcata acttgtcaca cggatgtccg attcagctgc ataatatatc 180

cagacggtcg aaattgaaca tctgaagctc tcgacaaagt ccaatggtca taacttatgt 240

cacggaagcc caactctggc ccatcatgtt tggacatgct ctgaattgaa caccggaagc 300

tctcgagaga ttcaaatggt cctaactttg tacacggaag tacga 345

<210> 4054
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4054

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cttccactgt tgccacaggt ttgggtaaat ttctgtatgc tgttggaacc aagtccaaat 120

ttaattntgg aaactatatt tttgatcaaa ctattaagca ttcagaatct tttgctgtca 180

aattacccat tgccttccca actgtattgt gtagcattat gttgagtcaa catcccaata 240

tcttaaacaa cattgactct gtgaagaaga gagaatctcc tctatccctg cattacaaac 300

tgtttgaggg gacacatgtn ccagacattg tctcgacatc anggaaagct 350

<210> 4055
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4055

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ggtcatgact tttcacacga atgttcaatt cggggacata actcatgtag acgctccaaa 120

ttgaacagcg gaagcattcg agaaatttga atggtcataa cttttcacac gaaagtccga 180

ttgggggaca taactcatgt agacgctcga aattgaaaaa cgtaagctct cgaaaaattc 240

caatggtcat aacttttcac tcggatgtcc gattcgtgga cataactcat ctagacgctt 300

gaaattgaac aatagaagct ctcgagaaat tcgaatgctc ataaatttca ctcggatgtc 360

cgattcgggg catagtata 379

<210> 4056
<211> 421
<212> DNA
<213> Glycine max

<400> 4056

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tcttgatcat cttaaacatc tttgaacatc ttgaactcat tctttgatta tcatgaattg 120

acctttgagc tttttttcat ccccttttgtt atcatcaaaa catctttgaa tcaatcttga 180

ttcatcatga agctttgctt ctacacaaaa tccattgaaa tattgtccca cttccactgg 240

ggtatctcca agggttgtaa cttccctgaa ggtctctgat gttctatctt agccttctgg 300

caaagtaaac atgcatacac aaactcacta acctctctct tcatgttggg ccaccaaaac 360

atcaccttca aatcctgata catcttggta gcaccagaat gtatgcttaa gttattccta 420

t 421

<210> 4057
<211> 421
<212> DNA
<213> Glycine max

<400> 4057

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagattcac ctgggtcaac tttatcagag aaaaatcaga caccttgaa gtattcaagg 180

agttgagtct aagacttcaa agagaaaaag actgtgtgat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac agcaagttta ctgaatactg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacagc aaaatggcat agttgaaagg aaaaacagga 360

ctttgcaaga ggctgctagg gtcatgcttc atgccaaaga acttccctat aatctctggg 420

c 421

<210> 4058
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4058

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ttgtatggta gaaggtgtag gacaccccta tgttggttag agcccggaga aggcctcacc 120

ttatgaccag aagtggtaca gcaaaccact aagaaagtta agttaattta tgaaaggatg 180

agaactgctc agagtaggca gaccagttat catgataaga ggaagaaaga tctggaattc 240

gaggttggtg atcatgtatt cttgagagtc actccatgga ctggggttgg tcgagcattg 300

aaatcccgaa aactcacacc tcgcttaatt ggtcctttcc aaattcttaa gaaagttggc 360

cctgtggcat accanattgc actacncccg tctctttcta atcttcacaa tgcctttcat 420

gtgtctcaac tccgtaagta tatccatgat ccatcccatg tgattgaatg gatgat 476

<210> 4059
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4059

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aattgattca tcagagaaat taacattgcc ctaatttctt accccagttc attggaattc 120

catcaaataa cataatccat ttttctccat ccccaggttc tccgtattca aataatgcca 180

ttatgtcttc ttctgggaac tcaaattgca tctattcgta gtcttctata ggatgatgag 240

ccaagtattc tgctaggttg ctacctttta caactttntg ggtgacgtaa acaataccat 300

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tatactngat tgaatccatt ttggagacca agtggtgtga gacaacatat 410

<210> 4060
<211> 433
<212> DNA
<213> Glycine max

<400> 4060

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tagaaatgtg acctaagcgc ttatgccata atgttcttga gttagtatta tcaattctac 120

gcttagtacc acacagttct gcattaaagg attcaccata agaagctaca gtatcaagta 180

gatatagatt atcattaacc aagagtgaac cagttccaac aatatctgaa ttaaaagtca 240

acctgaacac attgtttcca aatgaacata aataacccaa tttgtccaaa taagaaaccg 300

aaaccaaatt ccatctatat gacggtacaa caaaagtgtc tttcatatcc aaataaaaac 360

tagtacataa taataatcta aaatgcccta tagcttccac ctccaccgat ttaccatctc 420

caacaaagat cca 433

<210> 4061
<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4061

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gctctgaatg gaggctctgg tctcttgctg aaactgcatg ttctgcatag tcatttgcct 120

cacaagttct tcgagggaag gttgtggagg ggcctcaact gttggctgtt tctggggttg 180

ttgctcgtgc tggattggcg gaggaatgta tggtctgctt gcgccagtac cattttgg 238

<210> 4062
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4062

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agattgggaa tgcctctaac agcacctttg tcaatgattn tcttcatgcc tcttaagtgc 120

agatgtccaa atctttgatg ccatattctg acttcatctt ctttggagga tagacatgtg 180

gaggagtaac tggtttcttg aggtgtccat aagtaacagt tgtcctttga tctgctgccc 240

ttcattagaa cttcactctt ctcatttgtc accaagcatt ctgactctgt gaagtttaca 300

ttgaatcctt catcacacaa ctgactgatg ctgatcangt ttgcagtcag tcccttcacc 360

agcagtactt tgttcagact angaagtnca tcatgaacta gctttcccat tccaatgatc 420

tctcctttag agccatctcc aaatgtcaca tagctagtgg agc 463

<210> 4063
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4063

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gcttgcagtt aacataaatg gtcttcccaa gattaaggga atgtcattat cttcacagat 120

atccattaca acaaagcctg ctgggaagat aaaatgtttt actctgacca aaacatcttc 180

aattactcca tatggtctgg tgatagagcg gtcagccaac tgtaaagtca ttctagtggg 240

catgatttcc aactctccta gtcttctgca catggagtgt ggcataagat tgatcttggc 300

tcccaagtca atgagagctt ttccactgtg acttacctat tgncaaggaa tggcacactc 360

cacggtcttt gtgcttcgtg gaatgatttt gaataccaca ctgcaattac cctcacaact 420

atattttcct agtgaatgta ctt 443

<210> 4064
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4064

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aattccgagc gtctagacat attatgtgcc cgaatctgac ctccgtgtga aaagttatga 120

ccataagaat atctcgagag cttccgctgt tgaacttcca gcgtctcaat atattgtgcg 180

cctgaatcgg agctccgtgc gaaaagctct gaccatttgg atntctcgac agctatcttg 240

gtagaattcc gagcgtctcg acatattatg tgcgcgaatt tgacctccgt gtgaaaagtt 300

ctgaccatat gaatatctcg agagcttccg ctgatcagtt tcgagcgtct cttcatatta 360

tgcg 364

<210> 4065
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4065

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attacactgt anagttcata cctcttttga ggcacaaaat tntgtgcccc ttctctccct 120

ctccctccac tcatcttctc ctaccttcaa gctcttatcc aaggcttcct atggtggtga 180

gcttcttctt gactcatctt ttccttgaag tggcatctcc aatcatctnt cttccttctt 240

tattctgctg tcattaaact tcatgcacca aaggactcca ttgatgaaga agatccaagg 300

cctacaagct gcaatggagc tacatcatgt ggtatcaaga gcatcttcat ctaggtgatg 360

tgctcttgct tcctttatct ttntgtttgg tcaactcact ttacattctt gttcttcatc 420

tta 423

<210> 4066
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4066

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gtggtcacta gcagtcatat tttcaattaa gttcatggct tcttcaggtg tcttcaactt 120

aatttttcct cctacagaag tgtcgagtaa ctgctttgac tgcggccata acccatcaat 180

gaagatgttc agttgtatag gctctgaaaa actatgagtg ggagtttttc tcagcaagct 240

atggaatctt tctaatacct cactcaaaga ttcatcggga aattggtgga atgaagaaat 300

tacagctctt ccctctgcag ttntagactn tgggaaatat ttntttagaa acttctcaac 360

aacttcatcc caggtcttta aattgtcgcc cttgaatgaa tgcaaccatc tcttggccct 420

cccaaat 427

<210> 4067
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4067

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tgttctacac ttggagtgat cacatgcagt cctcttgaac ccttaccacc cactcggtca 120

tcatgccgag actcaggaag ccaataggtt tagccttctc taagtattct gaacaaaatt 180

caatggcttc ttctgtaatg tacctctcaa caatagatgc ttctggatga tataaattct 240

ttgtataccc ttttaagatc ttcatgtatc gctcaaccgg gtacatccac cgtagataaa 300

taggaccaca acatttgatt tatctgacca gatgcacaat caagtgaatc atgatgtcaa 360

agaaagcacg gggaaaatac atctncaact ggcacagtat aattgcagcc tcattttcaa 420

ctcatcacac ttgacaggat caatgacttt gctacatata gcatg 465

<210> 4068
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4068

agcttgtagg gttaaagtct cacgattgtc tcgtgctcat gcaacaattg ttagccgtgg 60

ctatacgaga catcttgcca aacaaagtca ggttcacgat aactcgcctg tgcattttct 120

tccatgctat atgtagcaaa gtgattgatc cagtaatgtt tgatgagttg gaaaatgagg 180

ccgcaattat actgtgccag ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaca tcaaatgctg tggtcctgtt tatctacngt 300

ggatgtaccc gggtgagcga tacatgaaga tcttaaa 337

<210> 4069

<211> 313
<212> DNA
<213> Glycine max

<400> 4069

agcttatgaa attgggcctg gagttggagc tgtgatgatt tttctgtgtg tcgcggcggc 60

ggtggaagtt acggtggcat ccgcacgcgg cgcacgttag cgagcgcggt tcattggggt 120

tggatgaaga agagggcatg aattcaccgc acccatcaag cgcgtgacca cctatgctgg 180

ctgcatggtt tttgaggcac tctttgtaga aaaccgtcct ggagggtggc tgttgcggcg 240

gcgacacggt ggttgggtgg tggtggtggt gcttgaggga accgtttgtg gtggtgttgg 300

gttgtggagg ggt 313

<210> 4070
<211> 398
<212> DNA
<213> Glycine max

<400> 4070

agcttatgca gcaaatatat acaatagacc ttctcaacct cagcagcaaa atcaaccaca 60

gcagagcaat tatgaccttt ccagcaacag atacaaccct ggatggagga atcaccctaa 120

cctcagatgg tccagctttc agcaacaaca acagcagcct gttccttcct tccaaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240

acaaccaaca gttgaggccc ctccacaacc ttcccttgaa gaacttgtga ggcaaatgac 300

tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taactaatca 360

gatgggacaa ttggcaactc aattgaatca acaacagt 398

<210> 4071
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4071

agctattaac cttctnttat atgatagact tttaatgaag aagaagaagc atcaatcaat 60

ttaataatgt tctttaaacg tgcaacacaa aattgattgc tataaaataa ataaataatg 120

gaagagagaa tctcaaactc gatttatact ggttctgcca cttcccatgc ctacgttcag 180

tcctcaaaca atccacttga gattttccac tatctttgta aatcctttac atactgtgaa 240

cacaccttgg gatccatcac cctttgttgg acaagtggct tcaataactt aagatggggg 300

ggggggtgaa ttaaatcttc aaaat 325

<210> 4072
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4072

ctgtatggta gaaggtgtag gacaccccta tgttggtcaa agcccggaga aggcctcacc 60

ttangaccag aagtggtaca acaaaccact gagaaagtta agttaattca ggaaaggatg 120

agaacggctc agagtaggca ggaaagttat catgataaga ggaggaaaga tttggaattc 180

gaggttggtg atcatgtatt cttaagagtc actccgtgga ctgccgttgg tcgagcattg 240

aaatcctgaa aactcacacc tcgctttatt ggtcctttcc aaattcttaa gacagttggc 300

cctgtggcat accaaattgc actaccccgt ctctttctaa tcttcaaaat gtctttcatg 360

tgtctcaact ccgtaagtat atccgtgatc catcccatgt gattgaattg gatgatgtac 420

aagtgaaaga gaaattgaca tatgaaacat tgcctttgag gatcgaggat aggcgaacaa 480

aacacc 486

<210> 4073
<211> 329
<212> DNA
<213> Glycine max

<400> 4073

catgcaagct taagaaagct atctatggac ttaaatatgc accaaggcaa tggtatgtga 60

gacttagcaa cttccttctt gaacaaaatt ttgagagagg aaaagttgat aaaacacttt 120

tcattaaaga gtcttctcat gacattttac ttgttcaagt ttatgtggat gacatcattt 180

ttggttccac taacaaatct ctttgtgaga gatttataca ttaaatgcag ggggagtttg 240

aaatgtcaat gatgggggaa gtaaattact ttcttggtct acaagtaaag caaatggacc 300

atggaatatt tcttcattaa acaaaaaaa 329

<210> 4074
<211> 468
<212> DNA
<213> Glycine max

<400> 4074

gactagacac cttaagacca tcattcaagt gacactccaa gcactaacga tataaaccaa 60

ggaggtcatg atgggagata aagaggaatc agactagatg acccccttta agaatttctt 120

aactcaggat gtgttaccac caaacaaaaa tgaagcccaa cacctgaaaa ggaaggccaa 180

ttactacatc atccttgacc gagaactata caaaagaggg ttgactgcac ccttgcttaa 240

gttcctgaat agccagcaaa cagactacgt catgcaaaag ttacatgaag gaatcttcaa 300

ccttcataca ggggggcgct ccctggcaac caaggtagta cgtgctagct actattggct 360

aacactcaag actaacaccc tcaacttcat gaggagatgc agaagatgcc aggaattcac 420

aaatgttctg cgcacactcc ccgtcaacct tcacaacttg agctcttc 468

<210> 4075
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4075

gagcaaattc gaacgacaat aactctctac tcgcatgtct ggttgagtcc cgtaatatat 60

caggacgcac tcatttgaat gttgaagctg agagcaaatt caaacgacaa taacttttta 120

ctcggatgtc tgattgagtc ccgtaatata tcgagacgct cgaaattgaa tgttcaacct 180

atgagccaat tcaaacgaca ataacttttt actcggatgt ctgagtgagt cccgtattat 240

atcgagacgc tcgaaattga atgttgaacc tatgagccaa ttcaaacgac aataactttt 300

tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aatgttgaac 360

ctctgagcca attcaaacga caataactnn ttactcggat gtctgattga gtcacgtaat 420

atatcgagac gctcgaaatt gaatg 445

<210> 4076
<211> 436
<212> DNA
<213> Glycine max

<400> 4076

agcttaaaca ttcaatttcg agcgtctcga tatattacgg gactcaatca gacatccgag 60

taaaaattta ttgtcgtttg aattggctca caggttcaac attcaatttt gagcgtctcg 120

atatattacg ggactcaatc agacatccga gtaaaaagct attgtcgttt gaattagctc 180

agagctttaa cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240

agtaaaaaga tattgtcttt tgaattggct cagaggttca acattcaatt tcgagcgtct 300

cgatatatta cgggactcag tcagacattc gagtaaaaag ttattgccgt ttgaattggc 360

tcagacgttc aacattcaaa ttcgagcgtc tcgatatatt acgggactca atcagacatc 420

cgagtaaaaa gtattg 436

<210> 4077
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4077

tacttgtgaa agagagccat aaaggtgggc tcatgggcta ctttgggata gacaagaccc 60

ttgtcttact caaagaaaag ttttattggc cccatatgaa gaaatatgtt cataagcatt 120

acactaggtg tgtggcttgt ttacaagcca agtctacggt gatgcctcat gggctataca 180

cacgcttacc cattccctct gaaccttggt aaacattant atggactttg tccttgggct 240

tcctagaact caaagaggtg tagacgctat ccttgtggtg gtggataggt ttagcaagat 300

nggcacattt ataccatg 318

<210> 4078
<211> 303
<212> DNA
<213> Glycine max

<400> 4078

agcttgttta ccccatgttg agtttgctta ctatagagtt gttcatagca ccactaattg 60

ttctcctttt gaagttgttt acggttttaa cccactaact cctcttgatc ttttgcctat 120

gcataatgtt tcggttttta agcataaaga aggtcaagca aaggcggact atgtgaagaa 180

gcttcatgag agagtcaaaa atcaaattga aaggagaaat aaaagctatg ctaaacaagt 240

caacaaaggg agaaagaagg ttgtcttcga acccggagat tggagttggg tgcacatgaa 300

aaa 303

<210> 4079
<211> 400
<212> DNA
<213> Glycine max

<400> 4079

agcttccctt tctttggcca atgctggacc tgtttggcag tgatttcctt ggcaatttga 60

tgctcagaaa cagcaatgtc caccactcca tctgttggtc tgcccaggta tttgttgatt 120

acaacagggg agaatctaac acattttcct ctaacaaata ctttttgata ctcatcactc 180

tttctgtttg ttatgtcaga gggaatgttg acaataaatt ccctgactag actttcatag 240

caatctccca acttggtgac agttttcagc agtccagcag ccttgatgag gtccatgatc 300

tccttgcaat ccaaggcatc tcttcccagt tctctttcta cagcaagtct gcgttgatat 360

acaaatttcc acctttcaac attgccaatg gagtggaatg 400

<210> 4080
<211> 395
<212> DNA
<213> Glycine max

<400> 4080

gcgggatgaa ctcaggcgag ggactagcat tcaccaatac tgaggtagag gcggatttta 60

agcatccctc aatccaccta atacatttgg acccgaaacc cattcttctc agcatatata 120

acaggaaatc ccatgacact gagtcgtaag ccttctcgta gtcaactttg aatacgatgc 180

atggtttctg gcctttcctc gcttcatcaa ccacctcatt tgctatgacc gtgctgtgta 240

gtaaatgcct tcattgaagg cagattacct ttcgtcatga ttaaaggcat gaccttcttc 300

aggcggttgg ccagtagctc tgccactatc ttgtaaatcc atcctatgag tgaaataggt 360

ctgtaatcgc tcagaatctg tggctctgac acctt 395

<210> 4081
<211> 391
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 4081

ctagatgcct aggttaacct gataacccaa ctgactatga ataaaaaata tgcacctgtc 60

accagactat ctggtttatg ctcctctgcc gaccaccaca cagacctttnt cccttctatg 120

caacaatctg aagcaattga acagcctgaa gcttatgcta caaacatcta caacatacct 180

cctcaacctc agcaacaaaa tcagccacaa cagtgcaatt atgacctctc cagcaacagg 240

tacaatcctg ggtggaggaa tcatcccaac cttagatggt cgaatccttc acaacagcag 300

caacaacaac cttattttaa aatgctgctg gccaagcaga ccatacgttc ctccaccaat 360

tcagagaaca acagcaacag ccccaaaata g 391

<210> 4082
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4082

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tggtaatcaa atgatgtttg attttctgaa gcaaattgga acacttagcc aggttaatga 120

attttgtctg atctgcctcc tacctttggt caccactggc atgtaattaa aaggacaaca 180

atactgaaat atatgcacag gtactaagtc aaataattat gatttaggac taagcttgtg 240

ctttntgttt tttacttaaa ttgaataaca ggttcatgcc tatgagaggt caaaccgagt 300

ttacaattac aatttagatc catgtggtcc tgtatatatt acagttgggg atggtggcaa 360

cagagagaag atggcaatca aattcgcaga cgagcctggt cattgtcccg atccattaag 420

tactcctgat ccttatatgg gt 442

<210> 4083
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4083

tgaacttagc tacacacccn ctataatagc taagctcacc ctcatgacaa aatacatgaa 60

aatacaaaaa aaaaagtccc tactacaaag actactcaaa atgcctcgaa atacaaggct 120

aaaaccctat actactggaa tggccaaaat acaagaccta aacgaaggaa aaaacatatt 180

ctaatattta caaagataag cgggctcata cttagcccat gggctcaaaa tctaccctaa 240

ggctcatgag aaccctaggg ccttcccttg gatctctggc ccaatctact tggagtcttc 300

tatccaatgc ccttgcggcg taggattgca tcattgcctc tagtcataca ctacattcaa 360

catgcacaac tagttgcctt gtcatgtaaa taaaggtgta cgtttgaact acagctaccc 420

tcacatgata tccaaatgaa ttgaaattnt gtgatcaac 459

<210> 4084
<211> 430
<212> DNA
<213> Glycine max

<400> 4084

agcttgtggg atttgtgata gtgatttttt tggagatgtt gatgatagaa aaagtactac 60

cggatttgta ttttttatgg gtgattgtgt ttttacatgg agttctaaga agcaaggcat 120

tgtgacactt tctacttgtg aagccgagta tgtagctgca acttcttgca catgtcatgc 180

catttggcta agaagattgt tggaggaact tcagttgttg caaaaggaaa gcacaaagat 240

ctatgttgat aatatatctg cacaagagct tgctaagaat ccggtgttcc atgaacaaag 300

taagcatata gatacaaggt atcatttcat tatagagtgc attaccaaga aagaagtaaa 360

attgactcat gtgaataatc aagatcaagt tgcggatatt ctcaccaagc ctctcaagtt 420

aaagattttc 430

<210> 4085
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4085

tgtcattgta tataactatc caaaagatat tgaagcattc tatatgcggc tcaatgatga 60

cttaaagaca gtggttgtta tggatgtgct tgtacccaag gtatatgttc tgtatatttt 120

gttttcatca tgattgtaat gcatggcata atagaagcat gcaaatgtaa tttcaggttg 180

gaaaactaat tggtggaagc caaagggaag aacattatga tgtcatctag acaaggttca 240

tatatctgtt tactctgtct tttcttaatt tctttccttg tattgntttc catgttaata 300

ttgtatttaa attgcataat aaacgaaatg ggtttgcctg ttaagctata tgagtggtac 360

cttgatctaa cgcggtatgg aatagtgaaa atgccaaatc ttgccttgga tctaaacgat 420

gattctcttt gccactggct tggaaatatt agacatatga tcctctcat 469

<210> 4086
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4086

taaagaagct atagcttatc tacacacccc ctataatagc taagctcacc cccatgacaa 60

aatacatgaa aatacaaaaa aaaatcccta ctacaaagac tactcaaaat gcctcgaaat 120

acaaggctaa aaccctatac gactagaatg gccaaaatac aaggcccaaa agaaggaaaa 180

acctattcta atatttacaa agataagcgg gctcatactt agcccatggg ctcgaaatct 240

acccaaaggc tcatgagaac cctaggtcct tcccttggat ctctggctca atctacttgg 300

attcttctat ccaatgccct tgcggngtag aattgcatca ttccctccac cttggaaaat 360

atttgacctc anatcgtgag gttcttcata ctctgggctc cttccctcaa cacctgtaaa 420

a 421

<210> 4087
<211> 229
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4087

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attcgctcat gtgtcctcca ccttcgagtt tggagccatg cgtactgatt gcttaatgca 120

attctccatt ctgaaacttt tcggagcccc atgaattgcg tttattgtca tatgtactcc 180

agcttatagt ttggagccat gcgtatagat tgcttanagc aattatcca 229

<210> 4088

<211> 233
<212> DNA
<213> Glycine max

<400> 4088

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tagacattta cagtctcggg gttgtagctc tcgaaatcgc atgtgggacg aggactcaac 120

aaaacgggga gtttcatgta cctctcgtga actgggcgac ggcaaaatat gtggaaggga 180

atgctcagga tgtcgaagat gagagactaa acaaggagta tgatgcggat gaa 233

<210> 4089
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4089

ngccaaagag catgtttgca gctatataca agttgctgaa gctttgaatc tctgacgtag 60

aagttacttg gaatgctacc tgtcagagca ttatcagact attaagccta gaacgaattt 120

ctccatgtac cttgtttcca accaaattca cgtatgtcaa gttagaaaga tgactcaaag 180

ctgttgggat tgatccagat aaactgttat tggccaaatt cagaattctc aaagattcaa 240

gacatcactt agaggaacgt aagtctnttt caagcatgtt gtttgatgct gcaaagtctt 300

ggagctcttc acaaccttca atctcttcaa gtatgtggcc attaatgcta tccattcgta 360

catcaagaga ta 372

<210> 4090
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4090

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acactctatt gtggtaacca acaagcttaa cagcgagtcc tctttctggt agaccctcaa 120

cgatagtcca cttggaaggt gggtcccact tagaaggaat tggacttggg ggacaccctg 180

gtctgagtgt ggatggaaac acaccgaact gaatgctctt gaaaagctgg ccttgggtga 240

tgaaagcgac tcctgctgat cgagatgcaa tctttatcgg taacccctca gagagctcgt 300

tgccagaatg caccacagtc agagggcaag tttcgtttcc tgcttttgct acttgtattc 360

caccccgcat ttctcttatc actggcaaca cgaaataatt gacaccgtat tgaagcttat 420

cgccgtcagt gtcgtacaca tgatcatca 449

<210> 4091
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4091

catgcaagct ttntcctccc agtcttgaca atgaaattta tgctcagatt tgttaccaaa 60

gcattgaggc cagatatgat gagtgaaaga agcactgctg ctctgttaga tgccaaacct 120

gccaactgag caatggtggg actataatac atcacagtgt tgattgccac aaactgctgg 180

aagactaaga gtccaacgcc ggcatataaa cctcttctca cagctgaagt tctcaagagt 240

ttgactatgt cgatcttctc tgaagagtct gcttccttaa ttggcatgtc aactgattcc 300

atcagagcct ggatttcacc ttaaacttcg tgtggcggct ttatcttctt tacattcgat 360

ttcgcttact ctctcttacc ctgtgggaac agaagtggac cacagttatt atatacaatt 420

tcacctgcaa atgacaattg actaatgatg atgaacta 458

<210> 4092
<211> 387
<212> DNA
<213> Glycine max

<400> 4092

attttcaata tatttatcca atttcttaat tatgattgtt aaatgaatta taatcttatt 60

atttttttatg ttatttacac ttttgaggta ctttatttttt attaaacgtt tacaatttaa 120

taagttattt atttttattt tcagggaatg ctgcccaaca taattttaga ataatagaaa 180

cattttaaaa gattaaaatg actcttctaa acttaaatat ctaaattgaa atgaaaaagt 240

aaaacgacat attaaaagta tatctatttt tctaatatga tctttgtata atagtagcaa 300

taagaattca acctcatgcg tgtacttcaa ttataccatt atctagactt tgttaaatct 360

ggattgaaca gcgtttttca cttttta 387

<210> 4093
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4093

tgtatggtag aaggtgtacg acacccctat gttggtcaaa gcccggagaa ggcctcacct 60

tatgaccaga agtggtacaa caaaccactg agaaagttaa gttaattcac gaaaggatga 120

gaacggctca cagtacgcac gaaagttatc atgataagag gaggaaagat ttggaattcg 180

aggttggtga tcatgtattc ttaagagtca ctccctggac tgtagttggt cgagcattga 240

aatcctgaaa actcacacct cgctttattg gtcctttcca aattcttaag acagctggcc 300

ctgtggcata ccaaattgca ctaccnccgc tctttctaat cttcaaaatg tctttcatgt 360

gtctcaactc cgtaagtata tccgtgatcc atcccatgtg antgaattgg atgatgtaca 420

agcgacagag aatttgacat a 441

<210> 4094
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4094

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tcttaagaag gggggttgaa ttaagatatt ccaaactact tccccaatta aaaatctatt 120

tcacttttta ttcaagttat aaattccctt aacaatgaag ttcttaaata ttgattcaaa 180

taaaacaact tgaatatgaa tatgaagcaa taataaacaa aggagattaa gggaagagac 240

agtgcaaact cagatttata ctggttcggc cacacccttg tgcctacgtc cagtccccaa 300

gcaacccgct tgagagtntc actatcttgt aaattccttt tacaagttct aaacacacaa 360

cgataatcct tcctttgtgt ttagaattcc tttacaacaa ga 402

<210> 4095
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4095

gctatgctga gacattataa tagactccct cagcagcaaa tctaacaaca atagaataat 60

tatgaccttt caagcaatag atacaatcca ggttggagga atcatccaaa tccgagatgg 120

acaagtcctg cacaacaaca acagcctgtc cctccttttg agaatgttgc tggtccaagc 180

aagccatatg tttctncccc aatgcagcag cagcaacaac aacaaagaca acaagcaact 240

aaggcttctc ctcaaccttc cttagaagag ttagtgacgc aaatgaccat ccagaatatg 300

caatttcagt aagagacaat agccttcatt cagagtctga caaatcagat ggggcagatg 360

gctactcaga tgaaccaagc tcagtcccag aattctgaca gattaccttc tcaatctgtc 420

cagaatccca aaaatctgag tgtcattac 449

<210> 4096
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4096

cgcaagcttg agcaacagca ttattaattt gggagcccca gtgtgattga gatcttccct 60

cttcagataa atgtgaggtc cttcaccatt aggcctcttg taatgctccg tcaacctttc 120

agcaaaataa agaggactct cccggccaac ataatctttt agaatcccag ccagttctgt 180

ctgcaactca aaatctaaga aaatttccat tgtttttcct tccaggaaac tacatttcat 240

ggtttctgaa tgtagttaac atacaaatat gagagatgtg ctattatgta tgagagacag 300

aaagttattc tgaatctaat tgagtgaaga ataacatgga gttccanatt gtttagttct 360

gtatgacact ctgaaaataa aagactaaag acattctgaa gaatgaaatg atacacattt 420

ctacagtcac aa 432

<210> 4097
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4097

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tgcctatgta ngngagtgat gaccnaatac attttctaac acaaggtgat cctgagaagg 120

aagatgttgt gatgtccctg tggcacgaca agttgaagat gcttcttgtg actgatggag 180

agaagggttg cacatatttc accaaggtac tatccaccca tgttttgaaa atagagcttg 240

tttgactaaa ttgatttaat gaagatctta tgaaggaaac tgagataata cctttgatca 300

ttaactggtt ggtaacgttt atgtaataac taatgatctt tggcttgagg tttgctttac 360

cattcaaggt ggtttttatt atcttataca catatgagct gggatgtctt ttatg 415

<210> 4098
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4098

tgtagaataa actntgtaag gcctaaggga tgctatcagt gtgtcatatc attctcagct 60

gctggcatat ggtacacagt ctgaaatgta atatccagga acaaacttac cattactttt 120

caatggacat gtgaacttca cgcaaaacaa aataagacaa acagttctaa cctttctgaa 180

ataaggaata tggtacaagg tttgaagtag agaattcata taacaggtag ctccttggtt 240

cttaagccca acatagccag tctccttctt ggaatcataa gctcagtaat caacaatcct 300

acgaacaaga acctcagctt cgactataag agtatcattc acaagatacc ctctactagg 360

atcatacaat tcatcaagag gcatgaaaga tgtgaaaccc ccctcacttt cgcgtgcatt 420

aaactg 426

<210> 4099
<211> 280
<212> DNA
<213> Glycine max

<400> 4099

agcttcaaca tcataccacg accagggtgc tggtactact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgctta tgtttgtgtg gatgatttct 120

tcatatttac ctgcgtcaac tttatcagag agaaattaga cacctctgta gtattcaagg 180

agttgatgtc ctaagcttct aagagaaaaa gactgtgtga tctctagaat caagagtgac 240

gcatggccga gagtttgaaa acagcaaaat tactgtatac 280

<210> 4100
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4100

tgaaggtaaa ctanatgcct tagtaacctt taacccatct tccttgaatc agaaatctgt 60

acctgtcaca agagtctgtg gtttatgctc ctctgccgac caccacatag acctttgtcc 120

ttccatgcag caacctggag caattgagca gcctgaagct tatgctgcaa acaattacaa 180

tagacctctt caacctcaac agcaaaatca accacagcac aataattatg acctctncag 240

caacagatac aatcccggat ggaagaatca ccttaatctc agatggtcta gcccttaaca 300

acaacaacag cagcctgctc cttncttcca aaatgttgct ggcccaagca gaccatacat 360

tcctccaccc aatcaacaac atcaacagcc ccagaaacag canatagttg aggctcctct 420

gcaaccttcc ctcanagaac ttgtgggcan atgactatgc aaaacatgca gttt 474

<210> 4101
<211> 204
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4101

agcttgtgga cccatgccaa gtgagtttca ttacaanatg gcaaagtggt gacaacatca 60

tcataacaaa aaaaatcttt cattcaatga taaacaagag aggtcaaaag ggttggatga 120

ccataaaagt ttgtcttgaa cagtcttatg accaccttaa gtgggagctt ttgcaggaaa 180

cctctactga cattggttgc ccta 204

<210> 4102
<211> 311
<212> DNA
<213> Glycine max

<400> 4102

cacacttcca atgaaaggcc tttctgttac aaaatttgaa atcaatgaag gtaagtaaat 60

tgccaattac aaagttacaa aaaagtcctc aatttttgga ggttgttctc tctttggtgt 120

ttcactcaat ttggagtgct tcttagtcca atagctctta aggtggttgg ccccttgctt 180

cttgactcaa attctccaat tgatggcacc aatcctcatt tccaattccc tatatggcaa 240

ctcacaaaca gggaaacaaa gagacaagca ataaccaaag accagaaaat gaaatgaaag 300

ctaaaccaat a 311

<210> 4103
<211> 196
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4103

agctntgaag atcttggaag caagatacgc acaatgagat aatgaacgat gcggctttca 60

aaagccaatg aaccggcaag aagccttccg gtcatattcg cttggttatt ttataccaac 120

cggcgggcat catgcacaga gaagtccaat ttccaatcat cattcagtgc ccctctccat 180

ggtacacctt cactac 196

<210> 4104
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4104

gctccaagaa tcaagattca agaataatca agtntacaga ttcaatcaag ttttaagaat 60

caagattcaa gaataatcaa gatcaagatt caagaataat caagatcaag attcgagact 120

caagattcaa gaaacaagag aagactcaat caagataagt actaaaaaaa gttgttcaaa 180

acattgagta gcacaggaat ntttcacaag atcttttacc aaagagttct actctctgat 240

aatcgattac cttctggtaa tcgattacca gtagccagca ttgttttcaa aactgattta 300

caaagttgtg attgattacc ataatcaggt aatggattac caatatctta aaacgttaga 360

tttcaaattt caagagtcac aactagtgat aaaacatttt caaatcattt taaacttgtg 420

taatcgatta aacaatactc gaaatcgatt ccagt 455

<210> 4105
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4105

agcttatgct ccanattagt cttgcagttg ttcttcaata tatttatcat ggatgcattt 60

caatatgtta gtcgttttag atatttactc catagtttag tcttttgtaa ataatatact 120

aacaacatat caaacaacaa taacctcaat aaaattaaat atgtatttca ttgttcataa 180

aattttaaaa catgaataac catgaatatc atcgaagcta aatagacagt gttattttat 240

aaagtatatt atatatttca atcatattag ttttggctct catttagtaa gttctataca 300

attacaatta tactatgtaa gtatctatga taactattat tgctattaat attcattttc 360

tctcttctat atatgtttat cgtcatcatc gagaattagg gacaggatgg agacgatgtt 420

attgaacaag 430

<210> 4106
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4106

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acttggctcc atacttggaa ttgataatcc tggcccaagg ttgttgcaga tgagaagtta 120

aggcccatat ccactttccc agcaaagcta tattaaattt agagatatct ttaatcccta 180

gacccccctc agacttgggc aggcatacag tctcccattn tacccaagaa attttcctat 240

ggtcttagtc ccccccccc ccataggaag ttcctttgaa ggctaccagt ttatttacta 300

ccctttgtgg aatcttgaag aaggataata aataaattgg tacaacattg agaacaaaat 360

tgattagagt tatctttcct ccctttgata tgnttttctg ggcccactta gatagtttag 420

actcatttct tttattaaag gctcccacac a 451

<210> 4107
<211> 436
<212> DNA
<213> Glycine max

<400> 4107

tttgcaagct ggaatcattt atcctatctc tgacagccaa tgggtgagtc ccgtccaggt 60

agtcccgaag aagaccggcc tcacagtgat aaaaaatgag aaggaggagc taattcctac 120

tcgggtgcag aacagttgga gagtctgcat tgactatagg aggctgaacc aggttaccaa 180

aaaggaccat tttcccctgc cattcattga ccagatgctt gaacgcctgg caggtaaatc 240

ccactactgt ttccttgatg gtttttctgg ttatatgcaa attactattg ctcctgagga 300

tcaagaaaag accacattca cctgcccctt cggcactttt gcttataaga ggatgccttt 360

cggcctgtgc aatgcccctg gtacctttca gcggtgcatg attagtattt tcagtgaatt 420

tttagaaaat tgcata 436

<210> 4108
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4108

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tcatcaaagt acaccatcac aaatttacca atgaattctc tcaaaacatg gttcattaat 120

ctcataaaat tgcttggtgc ataagtcaaa ccgaaaggca taaccaacca ttcatataat 180

ccatgtttaa gtttgaaagc ggttttccat tcatctcctt ctttaatcct tatttgatag 240

taaccactnt tcaaatcaca tttggaaaag aacaagcacc atgcaattca tcaagcaaat 300

cattaagtct aggtattgga tacctatatt taatggtaat attgtgtgaa gctctacaat 360

cggagcacat tcntcaagaa ccatctgttt ttggaaccaa caataccagg acagcacatg 420

gactcatgat atctcttacc catcccttac caatgagtt 459

<210> 4109
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4109

cagacaactn ntattttcgt acgaggcttt acaaattata ctatgacatc agtttaagtc 60

ttccatttct tatttatagt ttatgaactt atgaagaata tacaagtggt atgctaatca 120

tatgtatgcc attgattaga tgaaactcaa aggaatttgg tagattggcc taagcgattc 180

aacattattt gtggcattgc tcgaggactt ctttatcttc atcaagactc aagattgagg 240

attgtacata gagatttgaa aaccagcaat attttactgg atgcaaattt agatcctaaa 300

atatcagatt ttggcttagc tcgaacatta tggggagatc aagtcgaggc aaacacgaat 360

agggtggctg gaacatagta agtctttatc tacattaatg tggtttgttc gattattctc 420

acttaattnt ctttaaaatt gat 443

<210> 4110
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4110

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tcggatttgt atttttttatg ggtgattgtg tttttacatg gagttctaag aagcaaggca 120

ttgtgacact ttctacttgt gaagccgagt atgtagctgc aacttcttgc acatgtcatg 180

ccatttggct aagaagattg ttggacgaac ttcagttgtt gcaaaaggaa agcacaaaga 240

tctatgttga taatagatct gcacaagagc ttgccaagaa tccggtgttc catgaacgaa 300

gtaagcatat agatgcaagg tatcatttca ttagagagtg cattaccaag acagaagtag 360

aattgactca tgtgaaaact taagatcaag ttgcggatat tttacc 406

<210> 4111
<211> 361
<212> DNA
<213> Glycine max

<400> 4111

tgagactagg ccgcgaagca tgatgtcaac tagtgcttta tcttgtgtca acctatgatc 60

cctgtcggat tgaatactgg aaggaattac atgcaacctt accacttgct gtgatgtcaa 120

ctgtactagc ttatgcattc tatacttcat attcaccgta attaaatgag cgagattcgg 180

tgaatcgatc tactatagcc cactcaacat catgcccatg actagtgcta cgtgaactaa 240

atacaaaatc catagatgtg ctctgccatc tgcattccga agtttacaat ggcttcgttg 300

cctctgatgg tcgatggcgc atagccttaa ccttttgaca tggctaacat cttgctacat 360

a 361

<210> 4112
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4112

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atcgagtcgc tcgaaattga ataccgaagc gctgagcaaa ttcaaacgac aataactttt 120

tactcggatg tctgattgag tcccgtaata tatcgaaaag ctcgaaattg aatgttgaag 180

ctctaagcaa attcaaacga caaaaacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgaaaa gctcgaatgt gaatgtagaa gctctgagca aattcaaaca acaataactt 300

tttactcgga tgtctgattg agtcccgtaa tatatcgaga tgctcgacat ggaataccga 360

agctctgagc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 420

atatatcgag aagctcgaaa ttg 443

<210> 4113
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4113

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aattatagag gctctcgaga aattctaatg gtcataactt ttcacacgga tgtccgattc 120

tggcgcatac tatgtcgaga cgctctaaat tgaacaaccg tagctcttca gaaattctaa 180

tggtcataac ttttcactct gaggaccgat ttacgcgcat aatatatcga gacgctcgaa 240

attgactaac ggaagcttcc tgagaaattc aaatggtcat aacttttaac tcagacgtcc 300

catttaggcg cataatctat cgagacgctc taaattgaac accgaaagct ctctac 356

<210> 4114

<211> 239
<212> DNA
<213> Glycine max

<400> 4114

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cagcgggttc aacacctgaa cactgtattt gggaagaccc aaaagaagga taaaagtcag 120

agttgcatat ggaagaagag gtccattttc tttgatcttt cgtactagtg tgatcttgac 180

ggtagacatt gtattgatgt tattcattac gacataaatg attgtgacct agtcattgt 239

<210> 4115
<211> 418
<212> DNA
<213> Glycine max

<400> 4115

cgaaggaaaa cttgatgcct cggtcaacct agtaacttat cttgtcatga atcacaaatc 60

tacacctgtc gcaagagtct atggtctatg ttcttctgca gatcaccata tagatctttg 120

tccttctttg cagcaatcta gagtcaatga gcaacctgaa gcttatgctg cagacattta 180

taatagacct cctcagcagc aaaaccaaca atagcagaat aattatgacc cttcaagcaa 240

tagatacaat ccaggttgga ggaatcatcc aaatctgaga tggacaagtc ctccacaaca 300

acaacaacct gtccctcctt tccagaatga tgctggtcca agcaagccat atgttgctcc 360

tccaatacag cagtagcgac aatagcaaca acaaagacaa caagcaactg aggccccct 418

<210> 4116
<211> 430
<212> DNA
<213> Glycine max

<400> 4116

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tatgcaagtt gaaagccttg gaggaaagag gtatgcctat gttgttgtgg atgatttctc 120

cacatttacc tgcgtcaact ctatcagaga gaaatcagac acctttgaag tattcaaaga 180

gttgagtcta agacttcaaa gagaataaga ctgtgtcatc aacataacta cgagtgacca 240

tggcagagag tttgaaaaca gcaagtttac tgaattctgc acatctgaac gcatcactta 300

tgagttctct gcagccatca caccacaaca aaatggcata gctgaaagga aaaacatgac 360

tctgcaagaa gctgctacgg tcatgcttca tgccaaagaa ctttcctata atctctgggc 420

tgaagccatg 430

<210> 4117
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4117

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aaagcaatct caaacattca ttttatgcta aacaatgcac tgcatatcat ctttaatcaa 120

ttcactattc aaacacgctt tacgcacaac gcaaacaact caaagtgctg aaatttaaat 180

aactgaaata aaataactga aatatgacaa ctaaactagc tggaaatata aggtgtttaa 240

ccttcaccaa aacatcttca atgactctat atggtcttgt gatggagngg tcaactaact 300

ggagggtcat gcgtgtgggc attatctcta tctctccaag cccgcggcac atggaaagaa 360

gcattatatc tatactaact cccaagacta tgagagcttt gcctaccaca acct 414

<210> 4118
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4118

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atttctagaa gcccaatcca attaaatttt agaggggggag gtgagcattt ggttactaca 120

cctcattgcc acattatatg gtcacacgtt gtgcatgtcc ttcatgcttt acatgcctca 180

tgccacctaa gcacacttag tggagaatct tggaattgat cttggattag tgggctgaac 240

cataactaaa attcactaat cataattagt gaaattttgt ctccaaagtt tgggtccaca 300

aattcaattt caaattcaag tgaaatttga attgaaattc aaatttccct ccaattttgt 360

gtgacactta cgctataaat agaggtcatg tgtgtgcatt ntttcaactc tgatcatttg 420

aaaattaaac tttagatt 438

<210> 4119
<211> 431
<212> DNA
<213> Glycine max

<400> 4119

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ttgatcacgt attctgcaat tgattaagaa agcacaaaat gaccagtagg cattggttgt 120

aggcaataaa tttgtcgaag acaaaattta actgaatgtt tgtcttaata tggtccaagc 180

aatacagatt ccttctgtct gtctgtggat accatgaatg cgtgtcttaa tgtggtccaa 240

gcaatacaga ttccttttgc acttatcccc cttcttattt tggtgtccaa agaggaggtc 300

atggggacct tcagaatagg gcctacggta aaggtaagca aggtctccat catttgatca 360

tatggctggt agaaaatgat acaaggttat tcttgtatgg ctattatagc aaaaggatag 420

atgcatgcac a 431

<210> 4120
<211> 421
<212> DNA
<213> Glycine max

<400> 4120

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ttctgctttt gaagttgttt atggttttaa tccactaact cctcttgatc ttttgcctaa 120

gcctaatgtt tctgttttta agcataaaga aggtcaagca aaggcggact atgtgatgaa 180

gcttcatgag agagtcaaag atcaaattga gaggaaaaat aaaagttatg ctaaacaagc 240

caacaaaggg agaaagaagg ttgtcttcca acccggagat tggctttggg tgcacatgag 300

aaaagaaagg tttccggaac aaacgaaatc acagcttcaa ccaaggggag atggaccatt 360

tcaagtgctt gaaagaatca atgataatgc ttacaaagtt gagcttcccg gtgagtataa 420

t 421

<210> 4121
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4121

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tacccaaaaa gacctacctt cattgaagac acaaaggaag gtggtaaccc caaagcttgg 120

tcatagcaaa ccactttgca tgccaaacat gagttctcag cctcttggtt acatccctag 180

aagtgcaaaa accattctct aggtttttct ttagttcata tctccgatga acacatcgag 240

gaagcttctt ttggtgattc tcctccaaac ctgatttggc aagggcttta tcaattattc 300

ccagtttctg cctctttctt ctgcaccctt ttcttgcaat tcggttatca aacacaattg 360

tccttcttct cttgttcttt tgagacctat aatcattgnt tactctattt tctatgatag 420

attgaagact atggagttcg agagca 446

<210> 4122
<211> 442
<212> DNA
<213> Glycine max

<400> 4122

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actccaattt tgatgaagat gaaggttgtg agataaggct ttgactcact actccttctt 120

cctttccctt gatcatgcga aatgattttc caacctctga atgccaaagt tgaagaaagt 180

gatcagggca tgttttactc gttggccatg aattgagcat tgtggattcc aatgacaacc 240

ttgcctctgt ctcaactctc acactctccc actgtaccat gtgccgcgtc gaaggagatt 300

cggacttgac aatggattga tcaggaatca cacatagctg ttttgctctt tgggaatgac 360

atgatcgaag gagacgcttc tttagatggg tgttccagaa gttcttaatc tcattgtctg 420

ttcttccagg tagttgagat gc 442

<210> 4123
<211> 410
<212> DNA
<213> Glycine max

<400> 4123

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ggtgctgcca atgtgctcaa atccgtctat aagaacttgc taagccatga aaactcctca 120

cctcggtcac agacttaggt gtaggccatt cttgaatagc actaaccttg tcctcatcaa 180

cttgcactcc ttgtgaactc acaacacaac ctagaaacac agcatggtta gcacaaacaa 240

tgcatttatc aagattggca tacaattgtt cttgtctaga cacagtcaag acagatttta 300

aatgatcaat atgcaaatca agtgcagtgc tatagataag aatatcatca gagtacacca 360

catcgaactt tcctatgaac tctctcaaga tatggttcat tactctcatg 410

<210> 4124
<211> 448
<212> DNA
<213> Glycine max

<400> 4124

ctacaaacga ataacacttg gacccttaca gacttaccag ctaataagaa agctattagg 60

tgtcgttggg tttataagat taagtatcat gctaatggct ccgttgaacg atataaggct 120

caacttgtag ccaaggggta tactcaaatg gaaggattgg atttccttga tacttttttct 180

ccagttgcga agctcacaac agtctgatta ttgttagcat tggttgctat tcatggttgg 240

caccttcgtc aactcgatgt tagcaatgca ttccttcatg gagaattaaa tgaagaagtc 300

tatatgtagc tgcctccagg aatgcaagtc tcacacccta atcaagtttg tcgattacaa 360

cgatcacttt atggtttgaa atagactagt cgacagtggt ttcatcgatt gtcctcattt 420

cttcttactc atggtttcaa tcaagctt 448

<210> 4125
<211> 436
<212> DNA
<213> Glycine max

<400> 4125

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aacagtgtca aagatttcaa actagtccaa ttactcggta tcgtaccact aatatcatta 120

cctcccaacc ttatctcaac aagagaatct aacttggcaa cagaaggact cacagtccca 180

ctaagattaa acttttccaa aataatcatg tccacctttc cgtccccatt gcaccttatc 240

cccaaccatg gcccgtgaca agggtcattt ccactccaag aatcaaccaa aatccaagga 300

taccccaacc ctccaagaaa ctccaacaac accatcactt caaaagcaca cataaccccg 360

gcctttgcct cacaaaattc attgttctca taactcactt tactcgctgc aaattccggg 420

atcggaccca tgaagt 436

<210> 4126
<211> 438
<212> DNA
<213> Glycine max

<400> 4126

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ttgtggagtg gatcccacct caagagttcc aatcttacat acggagagaa gatcagtgga 120

agactcaatg acatataagc atctttatag gttgatgagt actctctttt ccattcttcc 180

attctacttt tgaccaagga tagttgacca tattcctcag aagcatcact gaaaatctca 240

tcagcagcct gcagcaccaa atcactttgt gactgatatg cttggctctc actatcactc 300

tcatcagtgc ttgattcacc ttctatttta tgatcatccc attccatgga tgtgacctta 360

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attcgtttct caagattt 438

<210> 4127
<211> 449
<212> DNA
<213> Glycine max

<400> 4127

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aacttctaat gtgtgtttga attgtcctat ggaaatttcc agtagagcat tcttgattga 120

tctgatttgt tttcctttga gccaaattga tgttattcta ggtatggact agttatcttc 180

caaccatgtc ttgttaaact attttgatat aactgtggtg tttgatggtt cttgagtaag 240

taaggatatg atgtttatct ttgccaacca agttatgaca tctttaaaag aagatgctca 300

agtgcacatt atcttgtcta acctggaaat agagagagag gtttccatgt gtgacctccc 360

tgttgtcaga gagtttcctg aagtgttccc taaggatata tctggtttac gacccgagag 420

agagatagag ctctccatag acctagtac 449

<210> 4128
<211> 449
<212> DNA
<213> Glycine max

<400> 4128

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tagcatcatt tctggcacta aattgttggg acttggaagc catcttctca attaaatttc 120

tggcttcagc aggggtcatg tctccaaggg cttcaccact ggcagcatct atcatacttt 180

tctccatgtt actgagtcct tcataaaaat aatggaggag aagctgctca gaaatctggt 240

ggtgagggta actagcacat agtttcttaa atctctccca gtattcatat aagctctctc 300

cactgagttg tttaatgtct gaaatatcct ttctgatggt cgtggtcctg gaagcaggga 360

aaaaaatttc taagaatact ctcttgaggt catcccagct cgtgatggac cgtggagcaa 420

ggtaataaag ccagtccttt gccactccc 449

<210> 4129
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4129

aagtcacctg cggcatgcaa gcttccttnt caggtacttt gatgttgtgg tagtgaacct 60

gtacccattt tacgataaag tcacatcagc tggaggcgtt gaatttgagg atggaattga 120

aaatattgac atcggtggtc ccgccatgat tagagctgct gcaaaggttg gtttatttga 180

ctaaaaatgg aaattcccta acgttaaata aatttgaaat gatgacaaaa acttcccccc 240

tcccaatcgt cattacttaa aaagttttgt aaaatggctc agaaaataat cttttggcca 300

aataccacca agggcctaaa ctactgtgga aagtaacagg acctttgttc attgcatacc 360

ttctttgagc taactataag gtgataaatt cttatttgag tacaaccaca aggatgtttt 420

ggtagtggtt gatacagaag actaccctgc ccttctggaa t 461

<210> 4130
<211> 406
<212> DNA
<213> Glycine max

<400> 4130

ctacaaacga ataacacttg gacccttaca gacttaccag ctaataagaa agctattagg 60

tgtcgttggg tttataagat taagtatcat gctaatggct ccgttgaacg atataaggct 120

caacttgtag ccaaggggta tactcaaatg gaaggattgg atttccttga tactctttct 180

ccagttgcga agctcacaac agactgatta ttggtagcat tggttgctat tcatggttgg 240

caccttcgtc aactcgacgt tagcaatgca ttccttcatg gagaattaaa tgaagaagac 300

tatatgtagc tgcctccagg aatgcaagac tcacacccta atcaagtttg tcgattacaa 360

cgatcacttt atggtttgaa atacactagt caacagcggt ctcatc 406

<210> 4131
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4131

agcttcaacc ttttcccaaa actcggtaag ggacgctaaa tgttattccc actcagatcc 60

aacaatgtca aagatttcaa actagtccaa ttactcggta tcgtaccact aatatcatta 120

cctcccaacc ttatctcaac aagagaatct aacttggcaa cagaaggact caaagtccca 180

ctaagattaa acttttccaa aataatcatg tccacctttc cgtcgccatt gcaccttatc 240

ctcaaccatg gcccgtgaca agggtcattt ccactccaag aatcaaccat aatccaagga 300

tactccaacc ctccaagaaa ctgcaacaac accatcactt ganaagcaca cataacccct 360

ggctttgcct acaaaattca tgctcttata actcactata ctcgctgcaa attccgggat 420

c 421

<210> 4132
<211> 430
<212> DNA
<213> Glycine max

<400> 4132

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tcttctattt tcagattggg gatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta gctggtttct tgaggtgtcc ataggtaaca gatgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300

gtgaagttta cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc 360

agtcccttca ccagtagtac tttgttcaga ctacgaagtc catcatgagc tagctttccc 420

attccaatga 430

<210> 4133
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4133

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agatgaatcc ttcaagaatg agaacaattg ctgagctgct ggagcaatct ccaatattct 120

aaatgtttaa ttgaattagt catatatcac tcattacttc aattgttcaa aaacatgcat 180

taagttgtgt tactaactaa cattagctga tagaatataa aaaaaacaaa atgtgtcact 240

aactacctag ttggagataa ggttgaaaga tatgaacaaa ttaaacggct tacttcttga 300

aaaaatatag accgagttct tgagaattct tcttcatttc gttccatgat ttcaccacca 360

gagcttcgtg ctcttgcgtg agacctttgc cctccatgtt ctctactctc tagctactag 420

ctaagatcgg tatatatga 439

<210> 4134
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4134

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ctcagtctca tgggcttttt tggattatat gctgcaaaga atgggttttt gtcccaaatg 120

gagacactgg atttctgcct gtcttaattc agcaagcatt tctaaaagat gtccaggttt 180

aattctctga tttgacgcta gtcaacaaat tgtttctgac aagtcatcaa gctaacaagc 240

ttgtaaggat tctaccgaaa tcattgtgat tgaaaggaaa agataataga aagtaaatat 300

gatgctagga caacaaatgg ttgtcatttt gagatgatta atacactggc ttagtacttc 360

aatttattct ttagaaccaa taaggagact gagtatttta aagtaaaaat acagaggact 420

tctatatttt ggaaacatga atg 443

<210> 4135
<211> 427
<212> DNA
<213> Glycine max

<400> 4135

tgaggcctgt aagctcgcgg gattctgtga tagtgactgt gccggatatg ttgatgatat 60

aaaaagcact accggatttg tatgtagtat gggagagatc acccgcatgg aggaatacac 120

accaggcgtt gaacgctttc taaacgggaa gccgatcttg aaacatgcaa cgttcgttgc 180

acaccgtcag agcctcttag tcgtgaaaaa gaatggcagt agtgaacatt catcttgtta 240

gcgcaaggaa agaccgagcc atctatagat gataatagac ctgcacaata tcttgacaag 300

aatacggtgt tacatgaacg aagtaagcat atagatgcaa ggtatcattt cattagagag 360

tgcattacca agaaagaagt agaattgact catgtgaaaa ctcaagatca agttgcggat 420

attttca 427

<210> 4136
<211> 346
<212> DNA
<213> Glycine max

<400> 4136

tatgttgatg atacaaccag tactaccgga tttgtattat ttatggagag aatgtgtccc 60

tacatggagg tctaatacac aacgcattgt gacactctgt acttgtgaac ccgagtatgt 120

acctgcaact tcttgcacat gtcatgccat ttggcttaga agagaggcgg aggaacctca 180

cttgtggcaa aaggaaagca caaagatcta tgttgataat agatctgcac aacagcttgc 240

cacgaatccc gtgctccatg aacgaacgaa gcatatagat acgaggtatc atttcattag 300

agagtgcctt accaagaaag acgtagaatt gactcatgtg aacact 346

<210> 4137
<211> 443

<212> DNA
<213> Glycine max

<400> 4137

tggtgcacta gatatctcga gatgggatat acatatgttg gccatatcat acaccctcat 60

ggaatggtca acaatatgtt atatcattta tagacgatta ctccacatat gcatacttgt 120

ttgttataca tgaaaagtca caatctctgg atgtgttcaa aacatctaaa gttgaagttg 180

aaaatcaact catcaaaaga atcaacagtg tcagatttga cagtagtggt gaatactatg 240

gcagatatga cggttcaagt gaacaacttc cgaggccttt cgccaggtac ctagaggaat 300

gtgaaattgt cccatagtac accatgttgg agtcacctaa catgagtgat gtatctgaaa 360

gatgaaatag aactcttaat gatatggtga gaagcatgat ttgtccttct aacttaccag 420

agtcactctg gggagaggca ctg 443

<210> 4138
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4138

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aaacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120

attgaggcaa tagacttaag tatttgggaa gccatagaaa tagggccata tatacccacc 180

acagtagaaa gaattacaac agatggtagc acatcaagtg aaagcataac aatagaaaaa 240

cctacagata gatggtctgg agaggataga agacgagttc aatacaatca aaaagccaaa 300

aacataataa catctgccct gngaatggat gaatatttca gggtttcaaa ttgtaagagt 360

gctaaggaaa tgtgggacac tctacaatta acacatgaag gaactacaga tgttaaaaga 420

tct 423

<210> 4139
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4139

ctattacgtg acactatgaa actaagctta atcattcaat ttgagcatct cgatatatta 60

cgggacttaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc tcagagcttc 120

ggtattccat ttcgagcgtt tcgatatatt acgggactca atcgaacata cgagtaaaaa 180

cttgttgtcg tttgaatgtg ctcagagctt caacattcaa tttcgagcgt ttcgatatgt 240

tacgggactc aatcggacat ccgagtaaaa agtaattgtc gtttgaattt gctcagagct 300

tcggtattcc atttcgagcg tctcgatata ttacgggact caatccgaca tctgagtaaa 360

aaggttattg tcgttagaat ttgctcagag cttcaacatt caattntgag cgttcggata 420

tattac 426

<210> 4140
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4140

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ttgattaggg ccttgcaatt tagtttcata ccgaggcggn ggaccaaaga taatgctaat 120

attctttatg aagtggtgca ccatatgagg atgtccaaaa ggaaacaaag agatgtggtc 180

ctctagttgt atcttgagaa ggcctatgat agggtggatt aaggcttcct caagcagact 240

cttcagcttt ttggttttct tgaagttatt gtctccctaa tcatgcacga tatttcttcc 300

actagcatct ccatttgttg gaacgacaat aagcttgagg gatctaccct agtaagggga 360

ctcagaccag ggatcccttа tctctatatc tttntgtctt gggtatgaag tgctttggag 420

ccaagaacaa caaggaggtc catgagggta actggga 457

<210> 4141
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4141

gtgtcagaga aagaagtgac aatgaacaat agttataact tatgtgaagt taattagttg 60

aatttgacag tttaccaaga attaaacgac ataatttcag ttgaagagat agaccaatat 120

aaaacttctt gtgcctaatc tttttgtctt ccttaaagtt ttaaacttgg gcaaaagatg 180

tgaatttgtt tagatatctt gtgtttctaa aaacatttac ttcatctaat agatttttca 240

gaaaaatcat ttatttgttt ttaacaaaga accatcggat gagggctttg tttttaaaag 300

gaaaaaagtt ttaaattttc taaaatcata attcaactct ctttcttata atattagtct 360

ttacatacat acagatcaat aatagtcaca atgcgatccc acaaagctaa tggagaaagt 420

gtccataggt naatggtcta ttatgtttta ct 452

<210> 4142
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4142

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aaccactgtt gttatgtctt cagcacaaat gcccaaatag gtgcttctaa ccaatggcca 120

attcttgtca aaccgaacca ttccccaatc tgtgccagtt ctaaactatg aacaatacaa 180

ccttgctttc atgcccattt cacctctttg gagggaactc agaaaaatat gcaacactta 240

gttatttgcc cataagtctc ttatgctagc caagacgtta ggcgtaagat agtgcaataa 300

ctagtctccg atatacatca aagcagacat attggtgaag cagtggatat tggcacaaca 360

acattcaaga ctaccataaa tcttctatca aacactattt tctctgtgga tttgattcac 420

tctacaggta aagcagaaga gttgaaggac ttggtgacca atatc 465

<210> 4143
<211> 183
<212> DNA
<213> Glycine max

<400> 4143

gaagtgaacc tcggatccct gtcggataca atcctggaag gagattcatg caaccttacc 60

acttccttga tgtaccactc tactatcttc tacattctat acttcatatt caccggaata 120

aaacgaaccg atttggtgag tcgatctact ataacccaca caacatcatg cccatgacta 180

gtc 183

<210> 4144
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4144

tagctntcac tcgcatgtcc gattcangcg catagtgtat cgagacgcta gaaatctaac 60

aaaggaagct ctcgagaaat tcaaatggtc ataacttttc actcgcatgt ccgattcagg 120

cgcataacat atcgagacgc tcgaaattga acaacttgat ttctcgagaa attcaaatgg 180

tcataacttt taactcgcat gtccgattca ggcgcataac atatcgagac gctcgaaatt 240

gaacaacgga tgttctcgag acattcaaat ggtcataact tttcactctc atgtgcgatt 300

caggcgcata acttatcgag acgctcgaaa ttgaacaacg gaagctctcg agatattcaa 360

atagtcataa cttttcactc gcatgtccaa ttcaggcgca tagcgtatcg agacg 415

<210> 4145
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4145

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aatatatcga gacactcaaa agtgaaacca aaagctctga gccaaatcaa atgacaataa 120

ctttttactc aaatgtctga gtgggggccg tggtatatcg agacgttgga aattcaaaat 180

agaagctctg agcaaaatca aacgacaata aattnttact gggatgtccg actgtgtccc 240

atagtatatc aagacgctca aaattcaaaa cagaagctct gagcatattc aaacgacaat 300

aacttttac tcggatgtcc gaattaatcc cgtaatatat cgagacactc gtaattgaaa 360

atggaagctc taagcacatt ctaacgataa taactcatta ctcgga 406

<210> 4146
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4146

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gaaaacccta gctctgcaac aagtcctatg gaagtagacc cggagatgga caagaaaatc 120

cgcagtattg tgagtagcat tctgaaagat gcttctgtgc ctgatgctga gaaagatgtt 180

ccaacatctt ccaccccaag tgtttccgtg cctgatgctg agaaagatgt tccaacatcc 240

tccgctccaa atgctgaagc cctcccgtca cccagtgaag aggaatcaac agaagaagag 300

gatcaagcct cagaggagac tcctgcacca cgggcaccag anactgctcc aggtgacctc 360

attgacctgg aagaagtcga atctgatgaa gaacccattg ccaacaggtt ggcac 415

<210> 4147
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4147

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actccaattt tgatgaagat gaaggttgtg agataaggct ttgactcact actccttctt 120

cctttccctt gatcatgcga aatgattttc caacctctga atgccaaagt tgaagaaagt 180

gatcagggca tgttttactc gttggccatg aattgagcat tgtggattcc aatgacaacc 240

ttgcctctgt ctcaactctc acactctccc actgtaccat gtgccgcgtc gaaggagatt 300

cggacttgac aatggattga tcaggaatca cacatagctg ttttgctctt tgggaatgac 360

atgatcgaag gagacgcttc tttagatggg tgttccagaa gttcttaatc tcattgtctg 420

ttcttccagg tagttgagat gctatagaag cccacctaag tgaatac 467

<210> 4148
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4148

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ctcacctctt ttactttggt ttccgtgcat ctacatggtg gaaaatcacc attaaaggac 120

cccattgaag ctaaaaaatt cagccttcat agaagcccca taagcaagct tccatcacaa 180

aggacttcac tgatgaagaa gatctaaggc ctacaagctc cacatggagc tatttcagag 240

gttgacaaag ctaacgtgga agtcattgaa aaattaccac caccagcaaa tgtcaaaggc 300

atcagaagtt ctttaggaca tgttggattc tacaagcant tcatcaaaga ttattctaaa 360

atttccaaac ctttgagcag atctttgaat caagaagtgt catttcattt tgataattat 420

gtcttaaagc tcttgatact ttgaaac 447

<210> 4149
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4149

cttgcataca acaatggagc ttatccaatg gacttatcaa tgctaagaaa attcaggatc 60

taaagattta gctgaatgct ttggaggttg gtatttctgg cagaatcctg actcaacctg 120

aagtggagct caagaagtct tttcaggagc aactntgaca tgcaactaat gcctatgaat 180

ccatgttgag gcaaaaggct agagtgaaat ggttaaagga aggggacaga aattcagctt 240

acttccataa actgataaat cacagaagaa gacaaaatgc tatacaaggt ttgatcattg 300

aaggggggtg ggttcaggac cctagtaggg ttaaaaatga cgctcttaat cattttaaag 360

atagattctc tgagcagaat cttaacagac caaccntaga tggtgtgcaa ctaccttccc 420

t 421

<210> 4150
<211> 307
<212> DNA
<213> Glycine max

<400> 4150

tcaattacga gcgtctggat atattactgg actcaatcgg acattcgagt aaaaagttat 60

tgttatttga atctgctcac agcttctgta ttcaattatg agcgtattga tatattttgg 120

gactcaatcc gacatacgtg gtaaaagtta ttgacgcttg catttgctac gagcttccgt 180

tttcaattac gagcgtctcg atatattacg aaactcaatc caaccgtcga gttagaagtt 240

attgtcgtat gcatttgcta cgagcttccg ttttcaatta cgagcgtctc tatatattac 300

cggactt 307

<210> 4151
<211> 337
<212> DNA
<213> Glycine max

<400> 4151

ctccatgtag caactaacaa atccaatcgc ataaagaata tcaggccttg tgcatgttaa 60

gtactgcaaa tttccaacta agctcttaaa gagtgtcgga tctatccttt cttcctactc 120

atgctgtgat agcttgattc cacattacat tggtgtgttg acaggatcag agacatccat 180

cttgaactcc ttaatcactt ccgtagcatg accttctcga gtgatgaaaa tgtatctatc 240

ctatcactct agttcaatgc caaggtagta agacatgaga ccaaggtcaa tcattgcaaa 300

ctctgccata attccttgtt taaattcatc gaacatg 337

<210> 4152
<211> 448
<212> DNA
<213> Glycine max

<400> 4152

agcttatgct gcaaacattt acaatagacc tccttttcct cagcagcaaa atcaaccaca 60

acagaacaat tacgacctct ccagcaacag atacaaccct ggatggagga atcaccctaa 120

tctcatatgg tctagccctc agcaacaaca acaacagcct gttccttcct tccaaaatgt 180

tgttggccta agcagaccat acattcctcc accaatccaa caacagcaat agccccagaa 240

acagccaaca gttgaggctc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300

tatgcagaac atgcagtttc aacaagagac cagagcctct attcagagct taactaatca 360

aatgggacaa ttggctacac aattgaatca acaacagtcc cagaattctg acaagctgcc 420

ttcccaagct gtccaaaatc cccaaaat 448

<210> 4153
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4153

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ggtcataatt tatcacactg atgtccgatt cgggtgcata atatgtcgag acgctcgaaa 120

ttgaacaacg gaagctctcg agaaattcaa atggctataa ctcttcacac agatgttcga 180

ttcaggagca tcacatatag agacgctcga acaacagatg cactcgagaa attaaatggt 240

catagctttt acacccagtt ccgagtcacg cttatgatat attgatacgc tcgagatcaa 300

catcggaagc tcacgagata ttcaaatggt cattactttt cacactgatg ctcgagtatg 360

gagaatgcca ttattagatg ctcaaaa 387

<210> 4154
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4154

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aaataaaaca tatatgaata attaaaaaaa aataaaacaa aataccaaaa gtaagtacat 120

accactagtc atatatcatt aaagtaatta agtttaaaac acataatcat aaacaaccaa 180

gagcaagtca atataatcat catgttcagt catactaagc aagtattaaa agaaatacta 240

agtattcaaa tttcataaaa acatagccaa atacaaggct taaaaacaaa atataattat 300

aatctaaatc tattatcaga gaatcaaaac ttaattctaa gtaacaaaaa ttagttatga 360

acacatacat ggtaactcat tacttatctc aattatttta gcatatcaat ataattctga 420

caaaaatcca atcatgtcan atcatanata aatgggataa catacaataa at 472

<210> 4155
<211> 410
<212> DNA
<213> Glycine max

<400> 4155

tatagcttca tcaagatgag cggagggaca gggagatata gatcatgcca ttatatgcct 60

cacacgaggt ctgaacattg aagcataatt cctaaatgat cgaagttgat aaaaatacac 120

acatatgatc tctatttata gcctacgtgt cacacaaaat tagagggaaa ttcgaatttc 180

tattcaaatt ctacttgaat tggaaatcga atttgtggag ccaaaatttc actaattatg 240

attattaaat gctagctatg attcagccca caaattcaag atcaagctca agattctcca 300

ctaagtgtgc ttaagtgtca tgaggcatgt atagcatgaa tgacatgcac aaagtgtgac 360

tatatgatgt ggcaatggtg tgcagcaagc aaatgctcac ctccttctct 410

<210> 4156
<211> 435
<212> DNA
<213> Glycine max

<400> 4156

tctgttttct attgcgagcg tctagatata ctacaggaca caatcgtaca ttcgagataa 60

aagttaatgt cgtttgaata tgctcagagc ttcggttttc aatttcgagc gtctcgatat 120

actacgggac tcaatcggac atccgagtaa aacgttatta tggtttgaat ttgctaggac 180

ctactatttt caatttggag catctcgata tattacggga ctcaatcgga catctgagta 240

aaaagttatt gtcgtttgaa tatgctcaga ccatatgtta tcaatttcga gcatcacgat 300

atactatggg acacaatcgg acattcgagt aaaaagttat tgtggtttga attcgctagg 360

agctactatt ttcaatatcg agcatctaga tatattacgg gactcaatcg gacatccgag 420

ctaaagctta ttgtc 435

<210> 4157
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4157

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taatatattg agacactcga aattgaaaac agatgctttg agcaaattca aacgacaata 120

acttttact aggatgtccg gttgtgtccc gtagtatatc ggcacgctcg taattgaaag 180

cggaagcttg tagcaaattc aaacgacaat aacttttaac tcggatgtgc gactgagtca 240

cgtaatatat cgagacgctc gtaattgaaa atgttagctt gtagctaatt caaacaagaa 300

taactttcta ctcggatgtc cgaatgagtc tcgtactata tcgagacgct cgaaattaga 360

gcagatgctt tgagcaaatt cataagacaa taactgttta ctcggatcgc cgattgag 418

<210> 4158
<211> 460
<212> DNA
<213> Glycine max

<400> 4158

tctttgcatg aagcaccacc tcattagaga cacaagttaa tagcaacaac aacaataatg 60

cagaggaaga ttaaccttga aatggaagaa tgccccattt tggttcctac taaatagagt 120

gaacgtacaa tgtcatgttt catcattggg gactttgaaa atgcgcatga ttcggtttct 180

tggggctttc taaattacat gttgatgagg atgggatttt gtgaaagatg gaggaaatgg 240

ataaatgttt gtatgtctac tgcaactata tccattttaa ttaatggaag tcccactagg 300

gagggtgatc ccctaagaga ggcttaaggc agggtgattc cctaccacct ttgcttttca 360

atatagtagt ggaaggcctt acaggtctga tgaacacagc catatctaag atccttttca 420

gcagcttcca agtgggaagt cacatgagga agttacatac 460

<210> 4159
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4159

cataatatat cgatatgctc gaaactaaac atcggaagct ctcgagaaat tcaaatggtc 60

ataacttttc acacggatgt ccgattcggg tgcataatat gtcgagatgc tcaaagttga 120

acaacggaag ctctcgtgaa attcaaatgg tcataacttt tcacactgag gtttgattca 180

ggcttataat ataacgatac gctcgtaagt aaacatcgga aactcttgag aaattcaaat 240

ggtcataact tttcacacgg atgtccgatt cgggcgcata atatgtcgag aggctcgaaa 300

ttgaacaaca gaagctcttg agaaattcaa atggtcataa ctnttcacac ggatgtccga 360

ttcaggcgca taatatgtcg agacgctcga aattgaacaa cggaagctct cgagaaattc 420

aaatggtcat aacttttcac acggatgtcc gattaggcgc atcaca 466

<210> 4160
<211> 314
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 4160

acatccgaga ganaatctat gactatttga atttctcaag agcttccgct gctcaatttc 60

tagcttctcg atatgcgacc cgcctgaatc ggacatccgc gtgacaagtc ataccacccg 120

acattctcaa gagcttcccg ggttcagttt tcgacgcctc gatatgtgat ctgtctgaat 180

ccgacatccc ggtgaaaaga tatgaccatt tgcatctctc aagaccctcc gctgttaact 240

cccagccctc cgcatattat gcgaccgaat cggacatccg cgtgaaaagt tatggccatc 300

tgaatctcct caga 314

<210> 4161
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4161

tgaaggtgtg tagcccatca tcttttcata gtagaatact ggtaatgtgt ctactatcat 60

tggtatcatt nttttcttcg tcattgaggt gccacttgag ctgccaagtc tctccacctt 120

tgggcgtatt cttttgaaag attcatgccc ccttttttgca catgttctgt agttgcatcc 180

tatccgaaga cattatactg acactgccta acaaaggaaa ccactaggtc cttccaagaa 240

tggactcggg aagggtccaa gtttgtgtac caagtaacag ctaccccagt aagactttct 300

tggaaggaat gtatcagcaa ttcctcatct tttgtgtatg cccccatctt cccgatatac 360

atctt 365

<210> 4162
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4162

cgccaaagag catgtntgca gccaagaaaa gttgctgaag ctctgaatct ctgaggtaga 60

agttacttgg aatgctacct gtcagagcat tatcagacta ttaagctcag aaggaatttc 120

tccatgtagt ttgtttccaa ccaaattcag gtatgtcaag ttagaaagat gactcaaagc 180

tgttgggatt gatccagata aactgttatt ggccaaattc agaattttca aagatttaag 240

agatcactta gaggaaggta agtcttttc aagcatgttg tttgatgctg caaagttttg 300

gagctcttca caaccttcaa tctcttcagg tatgtggcca ttaatgctat tcatttgtac 360

atcaagagat attagatgc 379

<210> 4163
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4163

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ttttagaggg ggatgcctta acagcacttg caatgatttt ttcatgcctc tttaagtgcc 120

agatgtccaa catcttttga tgccatattc tgacttcatc ttctttggag gatagacatg 180

tggaggagta gctggtttct tgaggtgtcc ataggtaaca gctgtccttt gatctgctgc 240

ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt gtgaagttta 300

cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc agtcccttca 360

ccagtagtac tttggtcaga cntatgaagt catcatgagc t 401

<210> 4164
<211> 443
<212> DNA
<213> Glycine max

<400> 4164

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acacttcctg agcatgtacg agcagttatg caagtgggat cagcaacttc cattatcaga 120

gtaatcaagc acagcggaaa ttctgtaagt tgcaagtcgt ttccaggatg tcaagacatc 180

tcacatgaca tcagctttct gcttctgcat cccctgtctc catgcttact gcaacatctt 240

ttaacagcta ctagtcttct ccaggatgtc aagacatcta ctgtgacatc agctatctgc 300

tccccctgtc tccatgctct tactgcagca tcttctagta gctttcatca gtcatcatca 360

gcagcagcag tctccccctc aaaatcgtat acatacaact ccccctcaaa atcatgaatc 420

atgcatacat cgtattctac tac 443

<210> 4165
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4165

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ctaaagagac tntaaaaagc ttgagcttgg cctttatgat aaacaagtca agccgagctg 120

agccttacat aggccgagcc aaaggctctc gacaagctgc tcggctcatt tccaccccta 180

accctatagc aaaagttggc atcttcagtg atgaatgtcg ttttctcctc gtttggagca 240

tgcatcctga tttggttgta tttggagtaa gagtccaaga agtttagcac ctggaatcca 300

gacaatccat cgactagctt gtcaatgctt gatagagggt atgcatattt agggcacgcc 360

ttgttcagat cagtatagtc agtgcacatt tgtcatttgt cgttggcctt tttgaccatg 420

acaatgttgg cgagccangt ggagtatcta acttctctta tgaagttggc attgagcagt 480

tatctac 487

<210> 4166
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4166

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ggatggcctt tattttctca tggtccactt ggaccccatt tctaccaact acaaaaccta 120

aaaaaactat attatctaca caaaaggtac acttctctat atttgcatag agggtgtttt 180

tcctaaggat tgaaagaact tgcctgagat gtcctaagtg atcatctaag ctcctactgt 240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300

gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactgacc 360

attcatacaa accaaacttg gtcttgaaag ccgttttcca ctcatcaccc tttntcatcc 420

tgaattggtg ataaccactt tta 443

<210> 4167
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4167

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tgttgagata aattataaag actaagagaa gaattatgac aaaaaaaatg agatgaaaag 120

tattggagtt atgattatga tcatgtcgag ctttgcacaa gttaacaatg tacctattaa 180

atttggttgt gattccaaat gttgagaaaa atgtctagat tcaatttcca tttttccata 240

tcaagtgtgt ttttgcatgt gtatgaaaaa atgtcataaa aagtcgaata agaatggtat 300

tcattctctt accactttnt aaggttttgt aattattatt ttataattga attaattatt 360

attttacatg ttgtttatca ttgactntat ttccttagat gctgatcatt acattagatt 420

cttgcttgca agagtactaa aacaagtaaa aatatgttac aagaatattg 470

<210> 4168
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4168

tctgcttcct tcaatnggac aacagtggtg tgcctcttaa tatcaccacc taagtagtgt 60

ttggttctac tgccacgctg tccatgtcct tttggnggtt gggtcctcca atatcaccac 120

tccaagtggc ataacttcat tgatgaagaa tggtctagac cacttggatt tcagcttacc 180

tagaaacaat ctcaatctag aattaaataa caaaacctgt tgaccaggct gaaaattcct 240

ttctgaaagc tttttatcat ggtaaatttt aactctttgc ttataaatct tggaattctc 300

ataagcttga aacctcagtt cctcccattc atgaagttgg agcttcttat tttcactagt 360

tgcatttgag tcaaaattca gaaacttcaa tgcccaataa gctttgtgct ccaactcaac 420

aagtacgtga caaga 435

<210> 4169
<211> 465
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 4169

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gaagaatgtg gcatttacct gnggtgaaaa acaagagcaa gcctttgctt tgctcaaaga 120

anagcttact aaggcacctg ttctagctct tcctgacttt tctaaaactt ttgagctaga 180

atgtgatgcc tctggagtgg gagttggaac tgtattgtta caaggtgggc accctattgc 240

ttattttagt gaaaaacttc atagtgtcac cctcaactac cccacctatg ataaagagct 300

ttatgcctta ataagagccc tctaaacttg ggaacattac cttgtttcca aggaatttgt 360

cattcatagt gatcatcaat cacttaatta cattagaggg caaaacaaat taaacaaaaa 420

gcatgcaaaa tgggtagagt acctatagca atttccatat gttat 465

<210> 4170
<211> 470
<212> DNA
<213> Glycine max

<400> 4170

tatggacttg ggtgttgccc aatttcatcg tatcttttgt aatactcacc acctctatta 60

gatctaataa ttttcacttt tttgtctaat tgtctttcta ctttattcaa gtaaatttct 120

aaggcatcca ttgcccgaga tttctcatgc agtaagtaaa cataaccata acgtgaatag 180

tcatcaataa aggtgataaa gtatctttcc tttccgaaag aactaacatc aaaaggtcca 240

caaatatcag tatgcacaat ttcaagaagc tgagtgcttc ttgtagctcc tttctttgta 300

tgttttgttg ttttcccttg atacaatcca cacaaatatt tagatccgta aaatctagat 360

catgaagaat ttcattcttt attaatcatt ccatcctttc tctagaaatg tgacctaaac 420

gtttatgcca caagaaagca gatcgttcat tcactaaacc tacgttagtg 470

<210> 4171
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4171

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tagtgaagaa gaatgtggca tttacctggg gtgaaaaaca agagcaagcc tttgctttgc 120

tcaaagaaaa gcttactaag gcacctgttc tagctcttcc taacttttct aaaacttttg 180

agctagaata tgatgcctct ggaatgggag ttgaagctgt attgctacaa ggtgggcacc 240

ctattgctta ttttagtcat agtgccaccc tcaactaccc cacctatgat aaagagcttt 300

atgccttaat aagagccctg caaacttggg aacattacct tggttccaag gaatgttgca 360

ttcatagtga tcatcaatca cttaagtaca tt 392

<210> 4172
<211> 226
<212> DNA
<213> Glycine max

<400> 4172

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ctattatcag attgggaatg cctttaacag cactttagtc aacgattgtc ttcatgcctc 120

ttaagtgcag atgttcaaac ctttgatgcc atattctgac tatatctttt ttggaggatt 180

tacatgtgga tgagtagctg gtttcttggg gtgtgcatat gtaaca 226

<210> 4173
<211> 444
<212> DNA
<213> Glycine max

<400> 4173

tcaccaactc atcttcaatg actccatatg gccttgtgat gtgagcggtc agctaactgg 60

agggtcatgc gtgtggacat tatttccagc tctccaagtt gccggcacat ggagagaggc 120

attaaattga tactggctcc caagtctatg agatctttgc ctacaacaac ctcgctgata 180

gaacacggta tcgtgataac tccaggatct ttgtgcttgg gtggaagaat gcgttgaata 240

acaacactac aattaccttc cacaacaatt ctgtcactat ggatgtaccg gttcttcttg 300

gttagcatat ccttaaaaat tttggcatag aggggcattt gatgaagtgc ttctccaaaa 360

ggccaagtaa tttccagttt cttgaagata tcaagaaatc tggccaaatg ttgctctcta 420

tctattcggg aggtaccaat ggat 444

<210> 4174
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4174

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tgtgctcctc tgctgaccac catacagacc tttgtccttc catgcaacaa cctggagcaa 120

ttgagcagnc tgaagcttat gctgcaaata tttacaatag acctcctcaa cctcaacagc 180

aaaatcaacc acagcagaac aattatgacc tttccagcaa tagatacaac cctggatgga 240

ggaatcaccc taacctcaga tggtccagcc ctcagcaaca acagcagtct gctccttcct 300

ttccaaatgc tggtggccca agcagaccat acat 334

<210> 4175
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4175

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tttgaaagag catcaacata aacgcacccg tacttataaa aatcgaaaaa tcgaagcttt 120

agtgtgttct tcgagcttct ctgcgaaacc aaaagtatgt gatgcaatcc taccccgcaa 180

gggcattgga tagaaaactc caagtagatt gggccagaga tgcaagagaa ggccctaggg 240

ttcttatgag ccttagggta gatttcgggc ccatgggcta agtacgagcc cacttatctt 300

tgtaaatatt agattaaggt ttcattattt ttgggccttg tatttagggc tccataatgt 360

aggtagggta ccctacaaat ataagatttt tcagcccttg tatttt 406

<210> 4176
<211> 425
<212> DNA
<213> Glycine max

<400> 4176

agctcttact cggatgtccg attgagtccc gtaatatatc gagatgctcc aaattgaaaa 60

tagtagctcc tagcaaattc aaaccataat aacttttttac tcggatgtcc gattgtgtcc 120

cgtagtatat cgtgatgctc gaaattgaaa acataaggtc tgagcaaatt caaacgacaa 180

taacttttta ctcagatgtc cgattgagtc ccgtaatata tcgagacgct ccaaattgaa 240

aatagaagct cctagcaaat tcaaaacata ataacttttt actcggatgt ccgattgagt 300

cccgtagtat atctagacgc tcgaaattga aaatagaagc tctgagcaaa ttcaaacgac 360

attaactttt ttctcggatg tacgattgtg tcacttagta tatctaaacg ctcgcaactt 420

aaaac 425

<210> 4177
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4177

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gcgcatatcc acttgtaatt ccaaagtgtc aaacctttca ccaacaaagg tttgaagacc 120

atcaaacctg tccaaaatct ttgaagtgtt gaaggaaaac ggtaacaaga tgaggctaac 180

gcaatggagc attcaatcgc aatgccttat gcatgcgata tctaacacga tgtgcccaat 240

caatttgtag acctttatga aaggcccaca taacaatgag atcttcttca gaaacctgag 300

caaggtatga agatctcgga agcaagatgc gaacaattag ttaatgaagg atgcgacttt 360

cacaagccaa tgaacccgca agaagccttt cggtcatatc cgcttggctg gtgcanacca 420

accggtgggc atcatgtaca gagaaatcaa acttccaatc gtcaattagt gcaccttcaa 480

<210> 4178
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4178

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tcttgaaccc aacaccttgt ctgggtacac atcagtctcc tcagtcactt ccaaatcttt 120

atgtaactct ccctgtacct gtaagctact tcgcccatct tctccggcac ctggaaaggt 180

ccatagaatc ttgcagcgag tttctgatga attcttttta ccgctgattg ttgtctatgg 240

ggtctaagtt tcaaaaagac ccattctcca acttcaaaac acaagtccct cctcttcttg 300

ttagcatacc ttgtcatttg ttcctgaggt ttgagcaagt ggagtttgag tagattcaaa 360

cctcatctct ttcactcaac tccaatgtca cagcagccac cttagtctca tagacaaaaa 420

tctcacaatg 430

<210> 4179
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4179

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gactgggaat gcctctaaca gcaccttcgt caatgatttt cttcatgcct cttaagtgca 120

gatgtccaaa tctttgatgc catattttga cttcatcttc tttggagaat acacatgtgc 180

gaggagtcac tggtttattg aggtgtccat atgtaacagn tgtcctttga tctgctgtcc 240

ttcattagga cttcactctt ctcatttgtc accaagcatt ctgactctgc gaagtttaca 300

ttgaatcctt catcacacaa ctgactgatg ctgatcaag 339

<210> 4180
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4180

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tgatagcaaa tttcaaacaa atattgaatc taaactcata agaagcatac taaaacactg 120

gtatttattt cttcccatgc ttacccctg catagaagag atttgcgttc ttgcaaactg 180

ggaattaagt tggtcatggc gattaacctg actagcatcc tgctgtctat taccaaactc 240

tcggttatct ctgaggtttt cccaagatct ctcatctgta ctagcaggag gttgtccaga 300

acgaccacgc caatcacggt tatctggctc agaataccga ttttgtaatt gatgaggaag 360

ctgcagaaga taaagtaaac attattatat aacatctgag ttgtgaaaat gattacagag 420

agaattaana acagataata 440

<210> 4181
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4181

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cattaagaac tagctcattt cttcctctat tgcctttagt ggtatacacc tttgtttggt 120

tctctatttg gttcctaacc ctctcatgca acctctttac aaaatcttac ctagattccc 180

cttctttatg tataaaagaa gtgtcaagtg ggaagggaat ttggtgtaag ggtgttagag 240

gattgaaccc atagacaacc tcaaaagggg attgcttagt ggttctatga atccctctgt 300

tgtatgaaaa ttatacaaga ggaagatact catcccaaga cttatggttg cctttcataa 360

ttgcccttan aagggtggat agagacctat tcactacctc tatntgccca tcaatttatg 420

gatggcaact ggtagagaaa 440

<210> 4182
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4182

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gcctcaagct acaatgttcc taccataatt gactctggca cagtaatcac aaggcttcct 120

gtggctattt acaatgcatt gaacaaatct nttgtgatga tcatgtccaa aaagtatgca 180

caggcaccag gattctccat attggatact tgcttcaagg ggagtgttaa ggaaatgtca 240

acagtgcctg agattcgaat catatttcgt gggggtgctg gcctagaact taaggttcat 300

aacttccttg tggaaaatga gaaggtacta c 331

<210> 4183
<211> 404
<212> DNA
<213> Glycine max

<400> 4183

agcttatgag cttcgagtgg gttgccaatg taataatgat ttatatagta caattaatat 60

actcttaatt gagagagatt aaaatagcac atatttattg aaataacaca ctcgacaaat 120

agtacataga atttattaat gaaaaaataa ttattttatt cacatataaa atttcaaaaa 180

aatgcatttg actattttat caaaataaga aattttgaaa ataaagaaat tcaatttctt 240

tatccagata caaaattctg aaaataatga aatttaattt gcttatccaa acatagacat 300

ttgaaaatga aagaatttca catgaagcat ttgaaatttt tagaattcta aaattagaat 360

tttaaattgc ctcatccaaa caaactctaa atgtaatgtt gatc 404

<210> 4184
<211> 468
<212> DNA
<213> Glycine max

<400> 4184

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tcatggattt ggctggcctc atccaaacct ggtcacgctc tacggttggt gcctaaatgg 120

ttcagagaag atactgattt atgagtacat agaaggtgga agcttggagg atttagtcac 180

tgatagaaca cgtttgacat ggaggaggag gctagaagtg gcaattgatg tggcacgtgc 240

actagtctat ttgcaccacg agtgctaccc ttctgttgtg cacagagatg tgaaggctag 300

caatgtatta ctagacaaag atgggaaggc caaggtcact gattttgggc ttgcaagagt 360

ggttgatgtt ggggacagtc atgtgagtac tatggtggct gggacagtac gctatgttga 420

ccagaatatg acacacatgg caagctacta caaaggggat gtgtacag 468

<210> 4185
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4185

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acagaagctc tcgagaaatt cgaatggtca taacttttca cacggatgtc cgattccggc 120

gcataatatg tcgagacgct cgaaattgaa caacggaagc tctcgagaaa ttctaatgga 180

cataactttt cactcggaag accgattcac gcgcataata tatcgagacg ctcgaaattg 240

aacaacggaa gctcccgaga aattcaaatg gtcataactt ttaactcaga ggtccgattc 300

aggcgcataa tatatcgaga cgctcgaaat tggacagcgc aagctctcta gaaattcaaa 360

tggtcataac ttttcacttg ga 382

<210> 4186
<211> 397
<212> DNA
<213> Glycine max

<400> 4186

agcttgtgca tccaataccc tgatgaggat gtcccatatg ttcttaacac tggactgatt 60

cattcgcttc caaagtttca tggccttgca cgtgaagacc cgcacaaaca tttgaaagaa 120

tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180

aaggcttttc ctcattcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240

aggtccatca cgagctggga tgaccttaag agagtattct tagaaaaaaa tttccctgct 300

tccaagacca cagccatcag gaaggatatc tcatgtatta gacaactcag tggagagagc 360

ctgtatgagt actgggagag aattaagaca ctatgtg 397

<210> 4187
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4187

aactgaatta gacctttcaa ttaacaaact ccctggaacc atttcgggag acatagccac 60

tcgtatacca tttgcaacat ctgttattct agcttcaaat gaattttctg gggagattcc 120

tgtgagtctt gcaaactgta aatttcttaa tacccttaaa ctcgatcaga atcgactcac 180

tggtcaaatt cctccacaat ttggtgttct ctcacgaatc aagacatttt atgtatccga 240

caatcttttg atgaggccag ttccaatctt tagcgctgga gtttcaaaaa attatgcaaa 300

taaccaaggc ctatgtggag gaaaatcatt cgcgccttgc aaggcgaagt cttccaagag 360

taactnggtt gttattgctg gagctgctgt tggcggcgtg actcttgcga cattacgatt 420

gtgtattgga tcngtcttct ttgtgcgacg tgtttctt 458

<210> 4188
<211> 471
<212> DNA
<213> Glycine max

<400> 4188

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ttgttgatgg cttcttcccg atccaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttat 180

gtagtccctt ctccttgagc atcgatctag ccatctccat aactgtgcga ttctttctct 240

cggacactcc attttgttga gaagaatatg cgactgtaag ttgtcgctca atgccttcat 300

cctcacaaaa tctttcaaac tcgcgagagg tgtactctct gctgcgataa cttcttagta 360

cttttatccg ttctcacttt gattttagca agggccttga actccttgaa tactccaaag 420

acttctgact tttctcttac aaaatatacc catgtcattc tagagaagtc a 471

<210> 4189
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4189

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agaaatctta gtattcacct tacagcttgg aagaatgctg attatccatt tttgtttttt 120

ttttttttct tgaagcagta gttctaggtc gtctcacttt tttcaaaatg tttttcatta 180

ttaagaaaag gtaacgaaga tcaaattcga gcttgtttta tagtccagga gacttcactt 240

ggggtattat tctgcaccct tatcctgaga tctatataat gaagggaacc aaaaagtacc 300

acagagttgg accatggaat ggtttgtgtt tcagtggcgg caggccaaaa actaacaatc 360

ccatttacca ttacgagttt gtctccaaca aggaagaggt ttattacaaa tggccctcaa 420

gaatgctagt ttattatcga 440

<210> 4190
<211> 393

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4190

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acaatagtgg cataaccttt gaagaaatgt caatagaaac ccatcaatcc caagaaaccc 120

catagagctt taagggaact aggagcatgc cactgttgga tcgcttggac tttggcttga 180

accagttcca ccccatgttc agagacaaga tgtcttaagt attcaaccta acgttgagca 240

aaggaacatt gggacaattt aaggaagaat ttgccttcca ataacacctg aaatgctttt 300

tccaaatgga acaagtgcta ctcaaatgtt ttcctataag tcaagatttg cggtctcgct 360

cacgtcctca tncttcacta aaatttgatg gta 393

<210> 4191
<211> 441
<212> DNA
<213> Glycine max

<400> 4191

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tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctctggag 180

aatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtccttt 240

gatctgctgc ccttcattag gacttcactc ttctcatttg tcaccaagca ttctgacttt 300

gtgaagttta cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc 360

agtcccttca ccagcagtac tttgtccaga ctaggaagtc catcatggac tagctttccc 420

attccagtga tctttccttt a 441

<210> 4192
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4192

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gcagataatg cctncatttc ttcactgcta acaccactac catcagttcc ctctcatata 120

ttgacttgac ttgagccctg tctgacagag ccttgctcca aaaagctaaa ggtttctctt 180

cctacaataa aactggccct agcccagttc ctaatgcatc agtttccatg ataaaattnt 240

tagagaaatc tggtagtgcc agaataagaa gcctnctcat tgctgcctta agctcttcaa 300

aggcatgagt agcttctacg aggtatntat aaaccaagtt agagatagtt acaatccacg 360

tatttataaa cctctataca gcagaactaa cctatactaa ctctaacana aagctaacta 420

actctaacag ctagctacct aactct 446

<210> 4193
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4193

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gtggatggtg cctcccctct cctcttctcc tttgccttcc gctgcatctc cagggtgtaa 120

aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agctctacaa 180

gcaagcttcc atcacaatat atataaatta tcatccggga aatcatcccg aatgggtaag 240

tcctcatcag acacatgttc gatccgactc aaatgatcag caactaaatt ntatgctctg 300

ctcctatcac ggatctccaa gtcaaattct tggagccaaa gcatccatca gatcaaccta 360

ggctntgaat cagccttctg caacaagtac tttaaagctg catgatcagt ataaacaata 420

atgcgagt 428

<210> 4194
<211> 433
<212> DNA
<213> Glycine max

<400> 4194

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agctgcattg actaaggaca atgccgaaat gagaaccatt agaagaattg caggaccaat 120

gcaatcgagt gggaatattg tgttgatttg acgaccctct gcaaaggcta agattattag 180

agggagggat ataagacctg agggcagaag gaatcttttt gattgaccca aaaagattct 240

gcctctttct gaactcatgt gcattaccaa tatgacaaga gtcaccaagt tagaagctgc 300

tgttaagaga acgaccaaga tatcaaccac aagagggtag tttgaacggt atgttttgtc 360

acacaaataa tggtcacggc aattgattgt atccaaggtt tccttcactc gccaactgat 420

gcatttgaag aat 433

<210> 4195
<211> 402
<212> DNA
<213> Glycine max

<400> 4195

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gtaccatgag aggacaaagc acatagatgt gaaactacac ttcatcagag atgtgattga 120

atctgagaag gtgaaggtgg agaaagtttc aacagaagaa aatccggctg atatgttcac 180

aaagtccctc tctagtgtca agttcaagca ctgcctggac ttgatcaatt tcgaagatgc 240

ctaaagcagt ttggtagaag tgcagcccta aatcacaagg aagacacttg ctgatttgga 300

gtcaaggtgg agatttgtgg tgtgtgactc acaatcacaa tttgcacaag tgagaatgct 360

ttaaagtggc gctgtcataa atgttgtcag ttattataac tg 402

<210> 4196
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4196

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cccggctcat ttagcaacaa tgtttttttta ataaaaatag tattaataat aagatatata 120

atattataat tattttattt aaattataaa attattatag tggtttgatg atttaaatta 180

ttttaattaa ttttttaaaat atgttaattc ctataaacct agatgagtag cataaatatt 240

gactattttt ttttttggtgg atttaaaaga ctntgctatc atgttacatg taatatttgt 300

atgtaagttt tgtccatatc ttatgattta aaattgtttt attattttaa tgaanatctt 360

tgattntgtt aaaaaaatta tacaactatt aatataaaat atgccttaaa ataaactaac 420

agatcaaact tatacaaaca ttagagttag a 451

<210> 4197
<211> 454
<212> DNA
<213> Glycine max

<400> 4197

agaatcggac atccgtgtga caacttatga ccatttgaat atcacgagag cttccgctgt 60

tcaatttcga gtgtcactat atatgatgcg cctaaattgg acattcgagt taaatgttaa 120

gagcatttga atatctcaag agctttcgct tttcaattct gagcgtctcg ttatgtgatt 180

cgcctgaatc ggatatccgt gtgaaaagat atgtccattt gaatctctca agagctttcg 240

ctgatagttt cgagcgtctt gacataatat gcgcccgaat cgaacatccg agttgaaagt 300

tatgaccatt cgaatatctc gagagacttc gatgttgaat ttcgagcgta tccatatatt 360

atatgcctga atcagacatc tgtgtgaaaa cgtatgacca tatagatttc acaagagctc 420

tctgtgtgag attcgagtgt cactatatgt gatg 454

<210> 4198
<211> 413
<212> DNA
<213> Glycine max

<400> 4198

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atggtgcgat tgtattggct cagagcttca acattcaatt tcaagcgtct cgatatgtta 120

ttggactcaa tcagacatcc gagtaaaaag ttatggtcgt ttgaattggc tgagagcttc 180

aacattcaat tacaagcgtc tcgatatagt acgggactca atcagacatc cgagtaaaaa 240

gttatggtcg tttgaattgg ctcaaagctt caacatttaa tttcaagcgt ctcgatatgt 300

tacgggactc aatgagacat ccgagtaaaa agctatggtc gttgaattgg ctacagcttc 360

acattcaatc taagcgtctt atatgtacgg gcccaatcaa actccgagaa aaa 413

<210> 4199
<211> 354
<212> DNA
<213> Glycine max

<400> 4199

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ccttagttca ccgcaagcca acgtcgtgcg ggcaattcct gttatgggtt gagtggtcat 120

acaactcttc atgccactca ggcacaacga tcagcccgtt caagatcatc tacggtcgga 180

aaccacctgc tattccggaa tatttggggg ggacatcgtc tatcaacacc gcggatgatg 240

tgctcaacca acgcgaccag gttctgaagc tgctcagtcc gaaactgctc atggcacagc 300

atacgatgaa gtatactaga tacgcacaca gacgacctca agagtctaac atcc 354

<210> 4200
<211> 373
<212> DNA
<213> Glycine max

<400> 4200

agctttctca atcacctcat taagaactag ttcgccatgc aggatgtgtc tgacttttat 60

gaaagatgac cgcctctcat caatgagacc agatatcact tgtctcaatc tatatgctaa 120

taacttaact atcacctttg tcatacattc agtcaaggag attggtctgt agtcatcaaa 180

tgactggggg tgtttggttt tgggaattaa agctatgaaa gaagcattac tgcctctagg 240

gaagctgcca tgcacatggt aatcatctac aaatcttctg atgtcagatt tcatcatttc 300

ccaaaattct ttaatgaatt tgaagttgaa gccatcctgt ccaggacagt tgtccgcatc 360

acaactccac act 373

<210> 4201
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4201

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aacatgtata tgatatatta tcagatactc gtaatatcaa ctaaacaaat tgacctaact 120

tcttatctct ttttgattta tcatttcaa tatcttctta ttttaacttg aatttgaata 180

gtttaaaaaa atatttttc aatatataaa aattatctat cataaatata aaatataatt 240

tatttgttca aaaatattta tttattatat attttaatta taatataatt tatatattta 300

gaagtatatc tttatcataa attataaatt ctcatttata aaataaacat ttactctata 360

taatacatag actaaaatac tagtatatct aaattaaatg cactatttaa gttaaat 417

<210> 4202
<211> 327
<212> DNA
<213> Glycine max

<400> 4202

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agtttacaat tacaatttag atccatgtgg tcctgtatat attacagttg gggatggggg 120

caacagagag aagatggcat tcaaattcgc agacgagcct ggtcattgtc ccgatccatt 180

aagtactcct gatccttata tgggtggctt ttgtgcaaca aattttacgt ttggtacaat 240

agtgagtaac gtttgatggg atcgccagcc acattacagt gctttcacga gaaagtagct 300

ttggatatgg gactctagac gtactca 327

<210> 4203
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4203

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tggtgtatca gaaaggcgaa atagaacttt aatggatatg gttaagagca tgttaatcaa 120

ttagacttta tccgtatcct tgtggatata taccttgaaa actgccatgt agttgttgaa 180

cagggttcct agtaaggtaa ttccaaagac acctttgaa ctgtggacaa ataggatacc 240

tagtataagg aacctgcatg tttggggttg ccaggcagaa ataaggattt ataatccgca 300

agaaagaaaa ttggatgcaa gaacaatcaa tggatatttc attggttatc cagaanagtt 360

aaaagggtat atatcttatt gttataatca tagtatgaga attgtcaaaa ctggaaatgc 420

aaggttcatt ggaaatgatg aaatcagt 448

<210> 4204
<211> 421

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4204

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ggatggcctt gattttctta gggtccactt ggaccccatt tctaccaact acacacccta 120

agaaaactat attatctaca caaaaagtac acttctctat atttgcatag agggtgtttt 180

tcctaaggac tgaaataact tgcctgagat gtcctaagtg atcatctagg ctcctactgt 240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300

gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc 360

attcatacaa accanacttg gtcttgaaag cagttttcca ttcatcaccc tttttcatca 420

t 421

<210> 4205
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4205

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tgtattgtct tagacggtgg gacgcccaga ctaaagcaca acacgttctt tcgagcaggg 120

agtagttcat ttcataggcc gtgaactttt tactcaagta gtagacagcg cgttctcttc 180

ttccggactc gtcatgttgc cccaacatac atncaatcga ctcatccaaa atcatcatat 240

acaagatgag aggccttcct ggtaccaacg acataagcac gagagggttc atgagacact 300

gtttgatcct tccaaacgcc tcttgacaat cctcattcca acggacggat tggtttctgc 360

gtaagagttg gaataacggg tcacaattag ccgtgagtcg tgatatgaat ctggccatat 420

aat 423

<210> 4206
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4206

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aatgttgagt cgccgtatac cttgagtagt ttgacattgg agtcaatcgc tgcctagacg 120

gctagggcac atgcttcata ttcggccatg ttgttggtgc agtcgaatcc tagcctggct 180

gtgaagggta cacattgatt gtccggagag accaatactg ccccaacgcc atggcctaga 240

atgtttgacg ctccgtcaaa ccatacgatc catctgtccc gatcttcgtc caattnttcc 300

tcaaacaagg ccatgatgtc ctcatccggg aattcacgat gcatgggctg atagtcgcta 360

agaggctgtt gagccaaata atacgctcag gcgctccctt ttatcgcctt ntgagcgacg 420

tagactatat naaactccga tagcacgact tg 452

<210> 4207
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4207

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agactaaccc tataaggtca agaaaggaaa cacttgatga tattacagat tctttagaag 120

atatgcatat tcatgaggaa gggcacaaag acaaaggaaa tggaaatgat gaagactctc 180

aaactaatga aactaaaaca agtacaaatc ttccaagaga gtgaagaact tcaagatatc 240

atcctcttga taatatcatc ggtgacatat caaaaggggt aacaacttga cactctctca 300

aagatgcatg tagtaatatg gcttttggtt ctttaattga acctaaaaac ttaaatgaag 360

tcatagntga tgaacattgg gtcattcgta tgcaagaaaa gttgaattaa tttgaaagac 420

atcaagtctg 430

<210> 4208
<211> 436
<212> DNA
<213> Glycine max

<400> 4208

ggactccatc tcattgaagc gcatatccac ttgtaattcc aaagtgtcta acctttcacc 60

aacaaaggtt tgaagaccat caaacctgtc caaaatctat gaagtgttga aggaaaaggg 120

tcacgagatg acgctaaggc aatggagcat tcaatcgcag atgccttatg catgcgatat 180

ctaacaagat gtgcccaatc aatttgtata cctttatgaa aggccgacat aacaatgaga 240

tcttcttcag aaacctgatc agcgtttgaa gatctcggaa gcaatatgcg aacaattagt 300

taatgaagga tgcgactttc acaagccaat gaaccggcat gaagcctttc ggtcatatcc 360

gcttggatgg tgcaaaccaa ccggtgggca tcatgtacag agaaatcaat cttccaatcg 420

tcaattagtg cacctt 436

<210> 4209
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4209

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ataattgtac tttggaaatt tatgtaacct aaaatgatga gggtttgtct accctacaag 120

gtagcatatt acagggacca caacgagatg gaagcaaact aaagagctga caggatttcc 180

aggtagccca aaagctagaa ttttgctttc tatagattga aagccaatct ctgtaaatgt 240

aaatggcttg cttggttaaa tacacacctg anagatataa attaaaaata aataaaataa 300

ttattaatta tgataacatg atttacaaaa tcatactcac caaaacacta tacaaaaggg 360

aaaaatatct ataacatgct acttctacaa ctacaacaca ttgcatccat ggtctagatt 420

acaggacacc ataatttaat taataaatag t 451

<210> 4210
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4210

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taacgggtca gatccctcct aacagtcctt aggaagatca caagaacaat gccagcaaga 120

aaagtgatca ccataagcga attaaggata gaaaaccaat gcactttagc tccctccatc 180

ttcaagtaag catcccatct agatggccac ttgatgtcac tctcctcaaa ggtgacctca 240

taagtgaaaa caacaggctg accctccttg ataggcattg ccacagtggc tggatcgcat 300

ctgatagacg atggatactt ctcatacatc ttcaaggttt tcgcagaatc agcattatgc 360

ataatactac aaggaatcac ctcanaccca acaaccatgt 400

<210> 4211
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4211

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actttgtttg ggacattgag tggtaataca agagaggtgc ttcataaatt cagtgtggat 120

ctcccaaaga aacatggaag aggagggcaa tctgctctgc cgtttgcccg tcttcgcatg 180

gagaagcgtc ataactatgt gcggaagacg gcccagctcg ctacccaatt ctatatcaat 240

cctgctacca gccaacccaa tgtttctgga ttaatactgg ctggttcagc ttgattcaag 300

actgaactta gtcagtcaga tatgtttgat ccttgacttc aggcaaaaat acttaactgt 360

tgtgatgtct cctaccg 377

<210> 4212
<211> 368
<212> DNA
<213> Glycine max

<400> 4212

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atgcttgctc aagcataatc ctatgtggga atactagcaa gattcctact ccgtgtcgta 120

tttcactaga tgatccattg atgaatagag tctaaggtag ctcttgttgc ctttttttcac 180

ctttgctcag cgacatttaa accatgaagt tgcccataca ctggaccttg agcgctagtc 240

taggatgata ttgcgaacca tattgtgacg atttgcttgc ccgggttgcc atccttccca 300

ctaaaatgga gccgtggaat acttgcctga gtggttgatc aatccatact atgcatggat 360

gtgcttgg 368

<210> 4213

<211> 364
<212> DNA
<213> Glycine max

<400> 4213

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aactcttgta aatgggagag aaatgttcat ctaaagcata caagtcccta atgttatcaa 120

atcctaaaat ttgagctcct agggagcaaa acaatgtgtg tctcctagag agggcatcag 180

ctaccacatt tgtttttccc tttttgtatt cgataacata tggaaattgc tctaggtact 240

ctacccattt tgcatgacaa attccttgga aacaaggtaa tgttcccaag ttcggagtac 300

tcttattaac gcataaagct ctttatcata cgtggggtag ttaacggtgg caccatgaag 360

cttt 364

<210> 4214
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4214

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tcttctattt tcagactggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtagca gttgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactnt 300

gtgaagttta cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc 360

agtcccttca ccagcagtac tttgtccaga ctangaagtc catcatggac tagctttccc 420

attccagtga ntctttc 437

<210> 4215
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4215

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gtcgtctgca tactgcaata tgctgactct gacttcattt ctgcccacat tgaaaccttg 120

aaacaggttt ttatccattg cttctttcac cagcgcgtnt ggtccttcca caagaatgtt 180

aaacaggaac ggggatagag ggtctccttg tcttaggcct ctttggggaa taaactcang 240

tgtaggactt ccgttaacca atatggatat ggaagcagac tttaggcagc cttcaatcca 300

agttacccac ctgtcacaaa aacccatcct cttcaacaaa tatagtacac acctccaaga 360

tactgaatca taggccattt tataatctac tttgaata 398

<210> 4216
<211> 428
<212> DNA
<213> Glycine max

<400> 4216

agcttctgaa caatctttca tttgggtggt gatgaatatc cataacaacc cataaaaaag 60

aaataaaatg ggaacaaagg ctttctttcg gaagggtttg agcagaggat gaaggaaatg 120

ggtaaagggt ttagttctta gagcttgggc tccttagctg tttattttgg agcatgttac 180

aataaaaggg tttatgacac attgtggatg gaactcctat ttggaaagtt tgtgtgctgg 240

aatgccaatg attgcatggc ctatctcagt cgagcaattt ttgaatgaga agttgataac 300

tgaggtttta aagattggtg tccaagtggg gagtagagaa tggttgtcat ggaactcaaa 360

ataaaaagag ttggtgggaa gagagaatgt gaatcattag tgacgaagtt gatggtacag 420

agtgaata 428

<210> 4217
<211> 330
<212> DNA
<213> Glycine max

<400> 4217

taatttttta atagatgagg tatttatatg aaagataatc ttatttaaac tggataaata 60

agataattat aagtgataaa actctgtctc caaatattta acgtaattat atatgtaaga 120

ctaattaatc tagaataact ttgcatgatt aacatactca ctgctataac actaatagtt 180

tggtcataac taattcattg atcaatatta taaaatcatc aatatttgag agtattagaa 240

taaatcttac ttccgattac aatgaaatta attagatgca gacctattaa cgaaatgctt 300

taacttcacc aaatatgtga ttatgaaagc 330

<210> 4218
<211> 387
<212> DNA
<213> Glycine max

<400> 4218

agcttctcac ctaaccacta cccgtgcgat ctctacctaa gacccaatct tagatatgag 60

aacctccgct cactccctct cactcacact ctcgtgttta caattaagtc aaagacacac 120

cagagatcaa ctgtgaacaa aagagatcaa ctctacacac tagagatcaa ctctacacac 180

tagagatcaa ctctacacac ataggtccaa cacttgatgt tagggtagca tcaaggtggc 240

tcacaaaaga ctcaagtccc aaaaactcac taactaactg ttcaatcccg gacttggtac 300

agaactcgtg cagactccat gattatatag caatgtgcgt ttctgggctg caacttcttg 360

atgctggagg agatctatct tcttctg 387

<210> 4219
<211> 395
<212> DNA
<213> Glycine max

<400> 4219

agcttgcagc aaatgctaac gacaataaca ttttactcgg aagtccgatt gagtcccgta 60

atatatcgag acactcaaaa tttaaaaccg aagctcgctg caaacgctat cgacaataac 120

atttcactcg gaagtccgat tgagtcccgt aatatatcgt gacgctcgaa atttaaaatc 180

gaagctcgta gcaaatttga acgaccataa catttcactc ggaagtccga ttgagtcccg 240

taatatatcg agacgctcaa aatttaaaac cgaagctcgc agctaatgct aacgacaata 300

acatttcact cggaagtccg attgagtcct gtattatatc gagacgctct gaatttaata 360

ccgatgctct gtgcaaattc gaacgacatt aacat 395

<210> 4220
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4220

tgtattggga taaacccaag tcccacatca gctaaaaata aagccatgtt agagtatata 60

agtgagggac aaccctcacc ccttaagcta gctcttgagg ttgagttagg tttaaactca 120

ttctaagaat ctaagatggt attagagtat atctaagctt aatccaaagg gccacccaca 180

atagttatcc acgcaccacg cctaagaagt gctgggcgtg acggagtgta ttgggaaaaa 240

tctaagtcac acatccacta aaaataaagt caagttagag tatataagtg aggggcaacc 300

ctcatccttg agctaacttt tggagtccag ttaagcgtaa attcacattc taagaatcta 360

agagcttgtc cttacgatca catgaacaag cattatccct caatanttat catactgtgt 420

ccttcccttt ctgtgccatc tc 442

<210> 4221
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4221

ctcactcgga ggcccgattc acgcgcataa tatatcgaga ctctctaaat tgaacaacgg 60

aagctatcga gaaattcaaa tggtcaatac ttcgaactcc gaggtcctat taaggcgcat 120

aatatatcta gacgctcaaa attctacaat ggaagctctt tggctataca aatggtcata 180

acttttcact cgaaggtccg attaaggcgc ataatatatc gagaccctcc anattgaaca 240

atggaagctc ttgagcaatt caaatggtca taacttgtca ctcggacgtc cgatttagct 300

gcataatata t 311

<210> 4222
<211> 264
<212> DNA
<213> Glycine max

<400> 4222

tgatgtaaca ttcggagagg ttaatgattc aacgagatga tgcgctccat gagaggttgg 60

atttaatgga gaatagagac catatgaatt gctcaagagc ttccattgtt caatttcgag 120

cgtctagatg tataatgcgc ctcaatcgga ccttcgagtt aaaagttatg accatttgaa 180

atgctgcaga gctttcattg ttcaatttcg agcgtctcga tatattatgc acctgaatcg 240

gacctgctag tgacaacttt tgac 264

<210> 4223
<211> 380
<212> DNA
<213> Glycine max

<400> 4223

agcttgaagg taaactagat gccttggtta acctggtaac ccagttggcc ttgaattaga 60

aatctgtacc tatcgcaagg gtctgtggtt tatgctcctc tgttgacccc catacagacc 120

tttgcccttc aatgcaataa cctggagcaa ttaagcagct tgaagcttat gctgcaaaca 180

tttacaatat acctccttaa cctcaatagc aaaatcaacc acaatagaac aattatgacc 240

tctccagcaa tagatacaat cccggatgga ggaatcaccc taatcacaga tggtctaccc 300

ctcaacacaa caatagcagc ctgctccttc catccaaaat gttgctggcc caagcagacc 360

atacattcct ccacctatcc 380

<210> 4224
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4224

ntctagaagc ctactccgga tacaactaga ttagaatgca tcttccatgc gaggagaaaa 60

caatattcat cattgaagat gccaaatttt actaaagggt catgcctttc agcctaaaaa 120

acataggcgc gacataccaa cgactgatgg actgagtctt caaacaacaa atcatatgaa 180

aatgtcgagg tatatgtgga cgacatagtt ttcaagtctc aaagcatatc ccaacatgtg 240

gcggacaagg aagaagtctt cggggaacta cgaaaatatg aatgcgcctt aaccctaaaa 300

tatgtacttt cggagtaggc ggcgacaagt tccttggttn tatgatcacc caccacggga 360

ttgaagctaa ccccgacaca tgcactgtca taccgg 396

<210> 4225
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4225

tgcacacaag ttggttgttg ttgttattgg tttgattaca tgataacctc tcatttgtgt 60

ttagcttgta ttattggttt tgatgaaatc cctttgctac aagtcaaaca attatacttg 120

ttgatagtgc cattagggtt tttcttcacc ctanacacct atttacaacc aattggatcc 180

ctagatggag gcagttcagt aagagtccat gtaccatttt tcatcaaagc atcatgctca 240

gtcctccttg gtgcaaacca agtaggattg gaaagagcaa tttatgttaa cttgtgctca 300

gaataagcta gaagaagagt acgatgaagt ctaggattga caacaccagt tntagctctt 360

ttgcacattg taacaagatc aatttgagaa gtagta 396

<210> 4226
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4226

tgtcctctgc caaccaatat tccaacagat tcttcttgtt ctggttcaca accaaccgtg 60

ataattctaa tgattcaaag gcattcagct ttccccttgt taaaagtgtt ccaaaatact 120

gcaacagacg aggagtttgc ccagcttgca cacgaacact ctgccacgta aagcagataa 180

tggcattnta aacattataa ctaattgacc aaacaaaagg acaccaccta aacgcaaaca 240

gtacacaacc agaacatgaa tctctgtgaa t 271

<210> 4227
<211> 405
<212> DNA
<213> Glycine max

<400> 4227

agcttgagga tcaaaatggg gtgaagcttt atttatagct gatggtgtct gtttggatgg 60

gaactcatgc aaatgaagct tttcctgagg cttggcattc atatgcatca aaaactactg 120

gtgaaaacat tgctcacact cgctccaagg aatatattcc tcccaggctt tgtgacctta 180

cagttaatga gattcatgcc caatatttgt cgctaaaaaa taggaatgat gtgatgctac 240

taaatattaa tatccgtaat gactcgggaa ttgttaactc gtaggcaagt gtaccaaaac 300

ttcacaagta gtaaagtttt ccgatatccg aacgtccaat ccaccacgac tttgcttgta 360

cttatagtat tcctgatccc attgatgcgc atgacatacc aattt 405

<210> 4228
<211> 258
<212> DNA
<213> Glycine max

<400> 4228

gcttagaaga aattcaaatg gtcataactc ttcactcgga tgtatgtatt acgtgtatca 60

catatcgaga cgctcgaaat cgaacaacac gagctctcca gaaattcgaa tagtcacaac 120

ctttcacacc gaggtccaat tcagccgcat cacatatcga gacgctcgaa atctaacaac 180

ggaagctctg attacataca aatgctaata acttttcact cggatgttcg attcaggcgc 240

ttcacatatc gagacgct 258

<210> 4229
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4229

agcttaagct ccttcaactg cacaaggctc ttaatattag aagagtatcc ttgtggaacc 60

tttacccgac aaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120

gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc 180

atatcagcta gatcttgatg ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240

agcgtcccaa tcacactatc acaaacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatatg 360

caactctgac ttttatcctt ctttntggtc ttcccaaata cagtattcag gtgttgaacc 420

cgctgatata cctgttcatc agtcaa 446

<210> 4230
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4230

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ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120

aagctcaccc ccatgacaaa atacatgaaa atacaaaaaa ttccctacta caaagactac 180

tcaaaatacc tcgaaataca aggcaaaaat cctatactac tagaatggcc aaaatacaag 240

gcccaaacga aggataaaac ctattctaat atttacaaag ataagcgggc tcatacttag 300

cccatgggct cgaaatctac cctaaggctc atgagaaccc tagggccttc ccttggatcg 360

ctggcccaat ctgcttggtg tcttctatcc aatgcccttg cggngtagga ttgcatcatt 420

ccctccacct tgg 433

<210> 4231
<211> 439
<212> DNA
<213> Glycine max

<400> 4231

agcttaagct ccttcaactg cacaagactc ttattatttg aagagtatcc ttatggaacc 60

ttcacccgac aaagacactg acaaaaagtt atcttctcct ttttggacaa agtatggcaa 120

gctgggggta agtaaatttt cttcccatca caccttggat gcaattgtga tcgtatcccc 180

atttcagctt gatcttgatg ggtattcaag ccatcttttg tcttgccttg aatgttaagg 240

agcgtcccaa tcacactgtc ataaacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgtcta gatcagacca atacggaaga tcaaagaaaa tggacctctt cttccatatg 360

caactcttac ttttatcctt catttgggtc tttccaaata cagtattcag gtgttgaacc 420

cgctgatata cctgctcac 439

<210> 4232
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4232

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acttggttca cgcacgactt tctttctgct tttgatggct tgccttgcat agctcgcatt 120

attcttttca atttgaacct tcacttgctc atgcaacttc ttcatatact cagctttagc 180

ctgtgcatcc ttatgcttaa acatagcaat gttaggcata ggcatcacat caagaggagt 240

caaaggacta aatccataca ctatctcaaa tggtgaacaa ttagttgtgc tatggacagc 300

ccgattataa gcaaactcaa catgaggcaa acaggcttcc caagatttaa gatttttctt 360

taaaacagtc ctaagcagtg tgcctaaagt cctattgact acctcacgtt gaccatcaga 420

ttgtgggtga caag 434

<210> 4233
<211> 197
<212> DNA
<213> Glycine max

<400> 4233

ctacatgcta aacggtgtgt tatgcatgca cgtgaagctg gatcattcct ccgcggaatc 60

gatgtgaacc gtttaccttc tgtggttgat tgcgaaaagg aagcacgtgt ctcatctcca 120

aacagcacgg tttctagcgt ctgtggaaag cgcaccgaga gggaaaccaa tggagaagac 180

aacgacacag acagagc 197

<210> 4234
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4234

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ttctcaacag tcacatattt ttatctgatt ctcaagtggc catcaaaggc ttatatatat 120

gtgactagag acacgaattt tataatagtt ttgaagaaca aaaaggtctt atcctcttaa 180

caagcaaaat tgttttatcc tcttacaaat tccttggcca aaacacttgt gattcaataa 240

ggaattattt gagtgctcaa attttacaat ctatctcttt caagagagat gtctttttct 300

cttcttcttt attctaaaaa gggattaaga gaccgagggt ctcttgttga gaaaggattc 360

taaacactaa ggaaggattg ttcttgtgtg atgagaactt gta 403

<210> 4235
<211> 223
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4235

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tcaatttcga gcttctcgac atattatgcg cccgaatcgg acatccgtgt gaaaagttat 120

gaccatttga atatctcgag agcttcctat gtttaatttc gagcgtatcg atatattata 180

agcctgaatc ggacattcgt gtgaaaagtt ctgaccattt gaa 223

<210> 4236
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4236

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atatatcgat acgctcaaaa tttaacatcg gaaactctcg cgaaattcaa attgtcataa 120

cttttcacac ggatatccga ttcgggcaca taatatgtcg agaagctcga tattgaacaa 180

cgaaagttct ttagaaattc aaatggtctt aacttttcac acggatgtcc gattcaggaa 240

aatcacatat cgagacgctc aaattgaaca acggaggctc ttgagaaatt caaatggtca 300

taacttttca ccaggatgtt aaattatggc gcattacgtt tagagacgct cgaaaatgaa 360

caacggaagc tctcaggaaa ttaaaatggt cataactttt ca 402

<210> 4237
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4237

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ggacataaca ttcagaggat gtggcagaac attgacattg tccgcgtacg cttgacattt 120

atgacatttc cttacatggg tgcagcaatc gcttttcata gtgagccagt aataaccggc 180

cctaaggatc ttcctggcca tagcatgccc attggcatat gtcccaaata aacactcgtg 240

gatttcctta atcatgtagt tcgcctcttt ggcatctacg catcgtaaaa gggtcatgtc 300

atggttttgt atgtactgga tagtaccact cacaaagaaa ccagtagcca atctccttaa 360

cgttcttttg tcattgtcgg aaatccctgg tggatattct ttgttctcaa catatttgtt 420

gatgt 425

<210> 4238
<211> 429
<212> DNA
<213> Glycine max

<400> 4238

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acagattgtt cacattcatg gtagcaacac gcctagaggg taccttcaca tcaggatgca 120

aatattgtaa taactcttta aaccttctat gttcaacaaa agagaatgga agatcatgct 180

caataatcgt tatagatatc atctcatata ccacactttg atctattttt ttatttataa 240

atctcccatc atgattgaga ataatatttc caacatcact attagaatgc gtcttcaaat 300

atacatcaca tttcccatat gacgttgtaa ggttgaagtc ccattcttat tgtcactgcc 360

cacataatct ttcaaacaat atttgcattt actcctcact tttccatcac tatgtataac 420

agatttctc 429

<210> 4239
<211> 327
<212> DNA
<213> Glycine max

<400> 4239

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agagataaat cagttgagta gagaagggga tgaattattg tacgagttga ggagtaacct 120

acttaaggct cacgatcaga tgagaaaata tgcaaataac catagaagag aactgatatt 180

tcaggaggga gattgggttt ttttgaaatt gcaaccttat agaatgaggt ccttagcaag 240

gaagccaaat gagaaactga gtccaagatt ttatggaccc tacaaggtga tacagaaaat 300

acgggaggtt gcttataagt tggaact 327

<210> 4240
<211> 437
<212> DNA
<213> Glycine max

<400> 4240

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gttcaagcac gactttcttt ctgcttttgt tggcttgcct tgcatagctc gcatttttct 120

tttcaatttg aaccttcact tgctcatgca acttcttcac atactcagct atagcctgtg 180

catccttatg cttaaacata gcaatgttag gcataggcaa caaatcaaga ggagtcaaag 240

gattaaatcc atacactatc tcaaatggtg aacaattagt tgtgctatgg acagccccat 300

tataagcaaa ctcaacatga ggcaaacagg ctttccaaga attaagattt ttctttataa 360

cagtcctaag cagtgtgcct aaagtcctat tgactacctc agtttgacca tcagcttgtg 420

ggtgacaagc agtacaa 437

<210> 4241
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4241

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gctagggcca tgtattctgc tttagttgtt gaaagagcaa caactaattg ttgatttgct 120

ttcaaactga ttgttgtacc aaacaaagta aacacatatc ctgttaagga cttccttgtg 180

tctacatttc ctacaaaatc tgcatctaca tagcctgtga ctgctgcctc gtgtgctgtc 240

ttcttgtacc ttaaaccagc tttcaaggat ccatttagat accttagtgt tcacttcaca 300

gcttcctagt gtgcgctgcc aggatcntcc atgaatctac ttataatact tacagcatga 360

actaagtcag gtctgctgca aaccattcat acatt 395

<210> 4242
<211> 435
<212> DNA
<213> Glycine max

<400> 4242

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gacgttgctg cacgctggaa tattagcagt gttccgacat tcttctttgt taagaatggc 120

aaagaggttg acagtgtgat gggggcagac aaaagtaccc ttgaaagcaa gattgcacaa 180

catgctggct ctttttaagt gaatacctta taaagatact gatacaatta acattttctt 240

gtttcttgtg ttaacatgtc cattgtgtca tacaaaaggc aaagattaat tgagtttcaa 300

tgtattatgg cttgacgttt cgtctgtctg attgcatgta gaaaatgtta atgctgattt 360

gtaataagtt tcatattttc aagctgattt taagtttgtg atgactgtta tggggagaca 420

ccccactagc ttcat 435

<210> 4243
<211> 434
<212> DNA
<213> Glycine max

<400> 4243

agcttacttg tagagattcc tttatgggaa agaccgatac cagctgtgtt gatccattgc 60

gatagtaccg cggatattgc aaaaattgag aaccgttatt acaatggtaa gaaatgacag 120

atacgtcgta agcacgacac tgttagagaa ttactctcaa caggagctgt tagagtggat 180

cacgtacgca ctgatgataa tttagcagat cctttgatga aaggattagc tagagagaaa 240

gtccataaca cttccaaaag aatgggacta gtgcccttac tgcgatgatc attcatgatg 300

gtaacccgac ctaaatgact ggagatccca agaactaggt tcaatgggta ataacaagtt 360

atgaagtgat atgagatgaa catgcagtta taagtgaaag cagcatgatc tctgaagtaa 420

caagaggatg agtt 434

<210> 4244
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4244

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ggtaacccga aaagatcatt tccccctgcc attcattgac caaatgcttg agcgcttggc 120

agggtaatct cattattttc ttcttgatgg tttttctagt tatctacaaa tncatattgc 180

tcttgaggat caagaaaaga ccacattcac ctgttccttt ggcacttttt cctataggag 240

gaatgccctt ggcctatgca acgcccctgg taccttctgt cgcaacctac ccttttgcgg 300

gcaagcgagg cgaggctcac gaggtgcctt ttcaaaggag gaaaatgcgc ggagtcgtca 360

ccaacgttta tttgtggaaa acgtcgaata aatcgaagga taccggtcaa aagaata 417

<210> 4245
<211> 449
<212> DNA
<213> Glycine max

<400> 4245

agcttgcctg cattgtgttg ttagcaaggt tcagcatcca gatcccaata gtaaatacaa 60

gaacaaccct tgttcatgtc cctttaaatg ctctacaatt ttagacatat gaatttcatt 120

aatgtatgac taaggtcatc atatctgtga aatttaaaag tcaaagaaat aaaatgagta 180

agaaaagaac tagaggatga gaacagaaac ctgcaatgct catgtgtatc acctaataca 240

tatccagtgt ctgtagaaaa tccaattaat atcacctaaa ttataagact tgacatagca 300

catatgtaat gtagtataaa aaaacaaaat caaagtaagc aattaatgtc acaaatgctt 360

acagctagac atatcataag agatccgcca taatgaacag tgtcttctgc caccttgaag 420

tacatttatc actccaaata ccaacacat 449

<210> 4246
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4246

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ctttcatgtt aatcctattt aaaactatta tatttgatct ttaggagaac attacacttt 120

agcctattaa aaaaatacgt caacaaatca caaacaacat ttatatttta cctcattcag 180

aatataagta aaaacatacc taatttcaca ttgattaagt aaggatgtta attaaattca 240

tttaattttc ttgaattaat atagagaagg aactatattc tctaaaatat tattaattgt 300

atttataaat tattaattaa ttaacttaat gacattttct ttaataataa cattaaatat 360

ggctaaatta attattattc ttataatnca atctaccaaa cataaacatt tnttttatag 420

ctgaatttgt atctac 436

<210> 4247
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4247

nggatttcct ttagtaggga atctatcctt cctaagatgg tagccaacca agtcaccctc 60

attaagaact agctcttttc ttcctctatt gcctttagtt gaatacacct ttgtttggtt 120

ctctatttgg ttcttaaccc tctcatgcat cttctttaca aattctgacc tagattcccc 180

ttctttatgt ataaaaaaag tgtccagtgg gaggggaatg aggtctaacg gtgttagggg 240

attgaaccca tagacaacct caaaagggga ctgcttggtg gttctatgaa ccccccctggt 300

gtaggcaaat tctacatgag aaagatactc atcccaagac ttatggttgc ctttcagaag 360

agcccttaat agggtggata aagacctatt cactacctct gttttgccca tcagttgtgg 420

atgaccagtg gtagagaaaa gaagtctagt tcctaac 457

<210> 4248
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4248

gaagctcctg gtttagcttt acccgattnt actcattcta ttgtagttga atgtgatgct 60

agtggagttg gcattggggc tgttttgata caaaacaaaa ggcctatagc ttatttctcg 120

gagaaattgg gaggagccag attgaactat tgcacctatg acaaagagtt ctatgccatt 180

gtgagagctc ttgatcattg gaatcattat ttgcgttcta atcactttat attgcattca 240

gatcatgagt cattgaagta tatcaatggg cagcagaagt tgagtccaag gcatgctaaa 300

tgggttgaat ttcttcaatc ttttaatttc tcttcaaaat acaaggatgg taagagtaat 360

gtggtggctg atgcactntc aaggaggtat gctttaattt caattcttga aactcgttta 420

ct 422

<210> 4249
<211> 417
<212> DNA
<213> Glycine max

<400> 4249

agcttgctaa cccatggaag ctcctaatca ttctcacact ttttggggtg ggccattctt 60

ggatagcctt gattttctca cggtccactt ggaccccatt tttaccaact acaaacccta 120

agaaaactat attatctaca caaaaggtac acttctctat atttgcgtag agggtgtttt 180

tcctaaggac taaaagaact agcctgagat gtcctaagtg atcatctacg ctcctactgt 240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300

gatgcataac cctcataaac gtgcttggtg tattaatgag cccaaaaggc atcactaacc 360

attcatagaa actaaacttg gtcttgaaag gggtcttcca ctcatcacct tctttca 417

<210> 4250
<211> 339
<212> DNA
<213> Glycine max

<400> 4250

aaaaaaagga aatagtctaa agatttaata tttgttaact tcttggagta ataaaaagta 60

taaactgcaa tgtgattcta cagaacatct acatatttct gatgtcaaat gataggattg 120

attattcgga aatatttctc aagaacaaca ggtaatgaat agagaaagaa aaagtatcaa 180

aattcacaaa gatgtgctac ctcactttca agtgctgtat atacatcact gaattcaaga 240

ccattatatc cacgtcctac aattgctatc caatcatgaa cagattccag tttgagtgcc 300

tgatcacttg ggatcacagt cttccctgaa gatgatttt 339

<210> 4251
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4251

agctntanaa gtgtgtagat actatttatc ttattcttag cgaaatgaat tcgctgtgga 60

tacgatactc agtcttaccg tattatatac tacttgtgcg aatcggcaca cttgtcgagg 120

gacgaacagg tacgcggaat gggtcaccaa tatcatgcca gtacctaaaa aggatgggaa 180

ggtgcgaata tgcatagact atcgggattt aactgagcca cgccagagga tacactttct 240

ttactgtaca tcgatgttct cgtagataac acgaccaatt ttggcctgtt ttctttcatg 300

gatgggtttt caggctataa tcagataaag atggcaccag aggatatgga aaagacaacc 360

ttcatcactc tatatggaac tttctgctac aaggtgatg 399

<210> 4252
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4252

cgaagganaa ctcgatgcct tggtcaacct ggtttctcat ctttccatga ataaaaaatc 60

tacacctgtt gcaagtgtct gtggtctatg ttcttttgca gatcaccata cagatctctg 120

tccttcttta cagcaatctg gagtcaatga gcaacctgaa gcttatgctg caaacattta 180

taatagacct cctcagcagg gaaaccaaca acagcagaat aattatgact tttcgagcaa 240

tagatacaat ccaggttgga ggaatcatca aaatctgaga tggacaagtc ctccacaaca 300

acaacagcct gtccctcctt tccagaatgc tgctggtcca agcaagccat atgttcctcc 360

tccgatgcag cagcagtcac aacaaagaca acaagaaact gaggctcctc ctcagccttc 420

cttagaagag ttagtgaggc aaatgaccat ccagaatat 459

<210> 4253
<211> 441
<212> DNA
<213> Glycine max

<400> 4253

agcttgtagg gttaaagtct cacgattgtc tcgtgctcat gcaacaattg ttagccgtgg 60

ctatacgaga catcttgcca aacaaagtca ggttagccat aactcgcctg tgctttttct 120

tccatgctat atgtagcaaa gtcattgatc ctatcaagtt tgatgagctg gaaaatgagg 180

ctgcaattat actgtgccag ttggagatgt attttccccc tgttttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcaaagaaa tcaaatattg tggtcctgtt tatctacggt 300

ggatgtaccc ggttgagcaa tacatgaaga tcttaaaagg gtatacaaag aatttatatc 360

gtccagaagc atctattgtt gagaggtaca ttgcagaaga agccattgaa ttttgttcac 420

aatacattga gaaggctaaa c 441

<210> 4254
<211> 280
<212> DNA
<213> Glycine max

<400> 4254

tcaagaatta tggcctcatc aaactacttg tttcccgagg gatattctat aaatagacct 60

cccatcttta atggagtggg ttaccactac tggaaaaccc gcatgcaaat ctttatagag 120

gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180

gctggaagtg caacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240

gtacaatata atttaaaggc caaaaatatt attacatctg 280

<210> 4255
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4255

ttttcggagc cccgtgaatt acgttntcgn tcatgtgtcc ttcatcttcg agtttgttgc 60

catgcgtagt gattgcttag ggcaattctc cattctcaac ccttttcgg agccccatga 120

attgcgttct cgttcatgtg tcttccacct tcgagtttgg agccatgcgc agtgattgct 180

tagtgcaatt ctccattctc aacccttta tcggagcccc aagaatggcg ttttcgttca 240

tgtgtgctcc atcttcgagt ttggagacat gcgtagagat tgcttagtgc aattctccat 300

tctcaacccc tctttcggag ccccaagaat ggtgctttgt tcatgtg 347

<210> 4256
<211> 453
<212> DNA
<213> Glycine max

<400> 4256

tattgaaatc aaacaagatg ataaattatc ctcacattat attataaata aatcatgagt 60

catcaaaaca taaatcattt gtctaagtca cttgcatcta gaagtcctaa ttttcttcta 120

atggtgtaga aagaatcttt ggttagtggt tttgtgaaga tgtctgcaag ttggttttta 180

gtatctacaa gttttaaaaa tacagtcacc ttttttcctaa gactaagtgc taattgacta 240

ccaacactta ccaagatgag gttttgttaa catagaaggt tctatcatat aaaaataatt 300

ttattaggaa tacaatataa taattctgaa aagcataaaa tttttctgat caatcaatca 360

agtaattcaa acatatcaaa caagatatat acaacgattg aaggatatag atcacagaca 420

ttatcaaaca ttcagatctg ttaagataat tta 453

<210> 4257
<211> 304
<212> DNA
<213> Glycine max

<400> 4257

gcttctgagg gcctatatgg gcccttgctg aatgcacctc ttaagttggc aggcacccta 60

ttttgagttt ttgctcattt cctgttgaac gtccaaaatc ttacgattgg tgacaattgg 120

cttaagcaat tcaatgtgac cagcaaacat ccacatgtcg acaaacaatt gtccccgaac 180

gaaattatgg tatgacacat ggtatgaagt gtgccatctt agagaacctg tccaccacca 240

caaagatgga atccttgtca ttccttgtct gaggaaatcc tacaacaaag tccaaagaca 300

agtc 304

<210> 4258
<211> 417
<212> DNA
<213> Glycine max

<400> 4258

agcttgattg ttaccatgca tggagagata atttgagccc ttaaagaata ttaacattat 60

aattttacat atttgcgaat actaaaaaaa attacttaat aatttaaaag ttagttatgc 120

aattaataat atttatgatt acttaatcaa tagtagattc tttaattgat aattgaaact 180

gaaaataata aattacttag cgagattata ttttgtttta ttttttaata tgaatatatt 240

acttaatata aatttcttat agtaatatta tttattcact acctattcta tcatatgtcg 300

accaccatta aaccatcaaa acttaaatca taatagttgc tatgtctgat gcacctcaaa 360

tacaaaatag gataacgtgt atattatcta aagaatcatc tactacacga tcaaata 417

<210> 4259
<211> 213
<212> DNA
<213> Glycine max

<400> 4259

ttcaaaagat gcgacatgga ccattgcagc tatgttaaga aatatactaa tagttatgtt 60

atccttgtcg tgtatgttga tgacatgttg attgcatgat ctagtatggc agaaattaac 120

acgttgaagc agtagatggc agacaacttt gaaatgaatg atcttggtcc agctaaacaa 180

atctttggta taagaattct tagaaataga tca 213

<210> 4260
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4260

ntgagcaaat tctaacgaca ataactattt acttggatgt tcgataaagt cacgtaatat 60

atcgagtcgc tcgaaataga atacagaagc tgtgagaaaa ttctaacgtc aataactttn 120

tactcggatg tccgattgag tcacgtaata tatcgagacg cccgaaattc aatacagaaa 180

ctctgagcaa attctaacga caataatttt ttacttggat gtccaattga gtcgcgtaat 240

atttcgagac actcgaaatt gagtacagaa gctctgagga aattcaaata aaaatacctt 300

ttgactcgga tattcgattg agtcccgtaa tgtatcgaga cattcgaaat tgaatacaga 360

agctgtgagc aaattctaat gtcaataact ttgtactcgg atgtccgatt gagtcacttt 420

atatatcgag acgctcgana ttcaatacag aagctctaac aaatt 465

<210> 4261
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4261

tgttacataa tggaaacaat ttttgtagta aatttacaaa tacaataatc tcattntctt 60

tcgatcatca ataatattaa ttgtataaaa taaaattaaa taatgtttgt caataacata 120

gatatttgta gtaattataa taacaatcat atcaaacaaa aaaacatgtc caacaattgt 180

tgcaaatctt ttttatatat ctatttttctt atatatgagt taactcttgt cacattaaat 240

atatatatat atatatatat atatatatat aaagctccag gatatggctg aaagtatata 300

aaaaattatg aatgtctaac acagatacaa gggattatat aagacaaaaa acaaacatgt 360

caattgagag gaacagaatg agataaagaa agtcccanaa tctcaagggt ttgactg 417

<210> 4262
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4262

agctggtcat cctaagtaac atgtttaggt tttagtttat cttattgcat gaaacatatn 60

ctaaaatgtt ttttcgctgt tgcattgtta aattgagtaa aaatatgaca tgaaatctaa 120

tcgttaaata atctaacact aaatatttca tagagatgat tgccaaagta gtacatcttg 180

ataaaggaca attaaaattt agatgtcact tcgtgaatct tacatgataa aaatcactta 240

taatagataa ttgttttata aaacacccac tctgataatt aaatttgcaa aataacctat 300

tttgatatct aaaaaagtct gtaaactagg taaatgggtt aaaataattc ttgttattta 360

ctctaatcta ataaaaaaac atcttattat aatct 395

<210> 4263
<211> 394
<212> DNA
<213> Glycine max

<400> 4263

agcttaccac tgtccggtta ctccttgccc ttgctgttct tcataactgg caccttcgac 60

aactggatgt aaacaatgct ttccttcatg gggatcttaa tgaagaggtt tatatgaagc 120

tccctccagg acttgttgtg gataatccca accttgtttg tcgccttcag cgttccttat 180

atgggctcaa acaagccagt cgccaatggt tcacacggct ttcgtcattt cttctctccc 240

agggatttcg tcaatcctca gttgatcact cgcttttatt atattctgat aatgataatg 300

atataacagc tattcttgtt tatgttgacg acatcatctt gacaggaaat aatctcgaga 360

ctatagcaca tgttaccaag cttctcgatc aaac 394

<210> 4264
<211> 261
<212> DNA
<213> Glycine max

<400> 4264

agcttgaatc ggacatccgt gtgacaactt atgatttttt gaatttcacg agagcttccg 60

tggttcaatt ccgagcgcca ctatatgtga tgcgccaaaa ttggacattc gagtcaaatg 120

tcatgaccat ttaaattcct caagagcttc cgttgttcaa ttctaagcgt ctcgttatgc 180

gattttcctg aatcggacat tcgtgtgaaa agatatgacc atttgaattt ctcaagagct 240

accgttgttc aatttcgagc c 261

<210> 4265
<211> 439
<212> DNA
<213> Glycine max

<400> 4265

agcttgtgtt tgagtgaggt gatatctctt ttatcatctt tgaagccatt aacctctctt 60

ctcaacccgc catagtaatg agaaacagga gcatgtctca gagtaacaac atacacatca 120

ccaaaataat atcctatagt agataaataa tcatattcgg atgtgcctag gtaaataaca 180

aatgtataat gattacacct cacagaacaa catgcataaa tataccagat ctaaacatta 240

tgcaagttat tctgacctac gtttttgtca agagtcttgg tgaactggtc caaagctgga 300

gaaaccttca acctttgctt cagaatcctc ttctctctct gaatttgaac attctttggc 360

cacttcatga accgagtcaa gtctctcttc ggaggcaacg cccctccgac tctgaacttc 420

tttggacgct tctcaaaca 439

<210> 4266
<211> 450
<212> DNA
<213> Glycine max

<400> 4266

agcttgacat tgaaaataga agctatgagc aaattcatac gacaataact ttttactccg 60

atgtccgatt gtgtcccgta gtatatcgag actcccgtaa ttgaaaacag aagctcgtag 120

caaattcaaa cgacaataat attttactca gatgtccgat tatgtcccgt agtatatcca 180

tacgctcgta attgaaaaca gaagctcgta gaaaattcaa acgacaacaa ctttcaactc 240

agatgtccga ttgagtgctc taatatatcg agacgctcga aattgaaaac agaagctctt 300

agcaaattca aaggactata acttatatct cggatgtccg attaagtccc ataatatatc 360

gagactctcg taattgaaaa cagaagctcg tagcatattc taacgacaat aactctttac 420

tcagatgtcc gatcgtgacc cgtagtatat 450

<210> 4267
<211> 366
<212> DNA
<213> Glycine max

<400> 4267

agctcggagc tcggagtctt tttgaagttc ctcatctgac ttgtagtaga atgagacata 60

ttgtttcacc caagacttga tagcatctca tatctctagc ccatcagaag cataaggata 120

gtcctcaatc aaaagtcgaa ctccatgggg agcagatgga tccttaacag caactcctct 180

gaattaaaag cacccaaata acattgatta gcacaagagt tatatcaagc ctgaagcctt 240

ttttcttctt atgccattga tgacttttta tatcatgcat tcatgtgttc ccccaatgta 300

tgcactttgc gatttctttt ctttcttaat ctattgccca acacaaaact cgagctgaat 360

ccgaac 366

<210> 4268
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4268

actcagctta gtggctcatg agcaggggaa atgataatca atcaattatg taagatagtc 60

ttttctatag gagattactg tgaggaagtt ttatgtgata taatccctat ggaagcaggg 120

cacattntgt taggtagacc atggcaattt gacaagaaag caatccacaa tggtctcacc 180

aatgaaataa ccctcaccca tggaagcaaa aagctcaaac ttgttccctt gacaccttca 240

caagtgattg gggatcaagt acaaataaaa ctcaaatgga atgaggaaaa gaatagaaaa 300

agaaaagaag aacaaccttt aatggttaac gaggagtgta aggaggtaag tgatgtgaac 360

ctgagtaaga gcggatcgtt tgatacaggc tacggagatt tggatgaca 409

<210> 4269
<211> 448
<212> DNA
<213> Glycine max

<400> 4269

tcttaagtca cctgaggcat gcaagcttca agaataacgg tctcatcaaa ttatttattt 60

cccgaatgga attctataaa taggccttct atttttaatg gcgtgggtta ccattattgg 120

aaaacccgca tgcaaatttt tatagaggca aaagatctta atatctacga agcaataaaa 180

attgggccct acattcccat tatggtagca ggaaatacaa ccatataaaa acctacggaa 240

gaatggagtg aggaagaaaa gagattagtt caatacaatt taaaagccaa aaatataatt 300

gcatctgctt taggaatgga tgagtacgtt acggtatcaa attgtaaaag tgcaaaagat 360

atgtgggata ccctacaagt aacacatgaa ggtacaatag atgtaaaaag atccaggata 420

aatacattga ctcgtgaata tgaattat 448

<210> 4270
<211> 296
<212> DNA
<213> Glycine max

<400> 4270

agcttcatac aagattatat ggcttgaaac tatcaccgag gcggtggtac acgaagctta 60

atgaggttat gaccacctca agattcaaca gatgtgacat gcaccattgt tgctacatta 120

agaaatatac taatagctat gttatcctta tcatatatgc tgacgacatg ttgattacac 180

gatctagtat ggcagatatt aacaggtaga agcagtcttt ggcaaagaac ttagaaatga 240

aggatgttgt tccagctaaa caagtgcttg gtataagatt tcttacaaat agatca 296

<210> 4271
<211> 460
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 4271

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gaatntaaaa naattgttga gttatatcaa aactaaaaga ggaaaggaag cccattatac 120

gattacaaat agtggggact agagagtttc ttttctattt ttttataaat tacattcttt 180

tatttaaaaa attattaaat tataactttt tgttttgaaa tcatacttta ttttgaatag 240

attaatatac attacattga atttaattaa aaatttaatc tatctatatt ttgtttgata 300

aaaaaaaatt atccaatcca tttattaact atttttaaaa ataaacatta atatttatat 360

antaatttat acccagatac tcttgaatat ngattcaagg attccttaat gaacggtgta 420

gtatctaatt caatagaata catattatat taaataattc 460

<210> 4272
<211> 580
<212> DNA
<213> Glycine max

<400> 4272

agcttaaggg ggagtgctcg tctcgaaaat gggatatttt tttgtacatg ctttcagata 60

gttgtcatca tcaaaagagg gagaatgtga atgaatatgt atgaagattt tgatgatgcc 120

aaagacagaa gcaatacaag tttacttcaa gtccaaatca agatcatgta aacaaaatat 180

caagagaaaa aacccgcctt agtctatttt tgttaaaaga atctcttaat gattgaaaag 240

gtttggcctc aaaacataat ttttaaatta attataaaaa gttttaaaat attttaacat 300

ttctgaaaaa aggaattttt cctctggtaa tcgattacta gaagttgtaa tcgattacca 360

gaagcaaaat tgttttaaaa gcttttcagg aagttgaaat ttgaattttg aaaactgtag 420

tcgattatca tttgtatgta atcgatcacc aataacggaa ctcctgaaat ttcaaattga 480

aaaggcatga tccctcattg cataactatg taatcgatta ccagtgagga aaattgaaaa 540

attgctttga aaagtcacat cctttcatga gtttttgaaa 580

<210> 4273
<211> 596
<212> DNA
<213> Glycine max

<400> 4273

agctttaatt agattgtttt ctatctacaa tttaaaagaa aatctttatt agattccttc 60

ttttaaaagc tttattagat tcttgggtaa caaccagaaa ggaaatgaat attaaaagag 120

agaggataaa gttacgaaac tatactgtat agccgaagaa gttcttaaat taaataatga 180

aatcattgga acaaaaaata ggttatatat atatatttaa aacacacaca cactgcgttt 240

tgaataatca ctaaaacttg agacttgaga gcgcagctaa gctaagctga tcatgcaaga 300

cataaaatta agaagtggga ccaattgtgt agaagtttaa tcctattctc cattagccta 360

aaggtaaaag ggtagacagt acacactaca tagtacacac acaaagatca tgttaaaagt 420

taaaacgatt tttttcttag aaaataatat ttggtgaaaa aattgagcaa aaaagaccat 480

tctagaacca atagtaaaaa ataactataa acttatatat atgccagcaa cataattttc 540

tgctaaaagt gtatactcgc attaaacgaa aaccagcctt ttttttaaaa gaaaaa 596

<210> 4274
<211> 444
<212> DNA
<213> Glycine max

<400> 4274

ttgggtggaa aatgatagtg agactcaact tggatatcaa ccttgtgcta caacaattgc 60

aacaagaccc actatccaca atgagagaac aatttttgtt taaaacctta catcttgtat 120

gaaagatgtt ctctctttga gttagggtta ggttacaaga ttgactccca aggagccttc 180

tcaccattag aagattacct tcttcatagg tgtaaacctc attaatatgc tcatcaccct 240

tggcttcacc cttacttcca tttgaggagg gagaagaagt agcctcctct tggctactat 300

agatgtcttg actcctcatg atcgtggttt tctttgtggg gcattgagaa gcaatgtggc 360

ctttcccaat acatttgaag cacttgatgt tactagttct atcttgtgaa ctagcctttg 420

gagtgatttc ctctatgttt ttac 444

<210> 4275
<211> 374
<212> DNA
<213> Glycine max

<400> 4275

ttcaagcggg gtgcatgtga gtaaccaggt ttcccatctg gttcgtgcaa ctctgaatgg 60

aggctcttgc cttttgctga gaatgcgtat gatggagggt gattagcctg acgaagcctt 120

atacaaaagg tatacgagga gccttaaagg cctgatcgat atcgtgtgaa ccgctgctgc 180

ataggaggaa gcccacttag cttgtttgtg ccaaaagaat tttttaatgg atggacaggc 240

ttgggctgat agcataagac tttgaccctc ttataataag atgataccta cttcctgaat 300

tgtgaatgaa ggaagaaatg ctctggttat tcagtactag aaggtgtttc cgctgacgag 360

gtccattatt gatg 374

<210> 4276
<211> 562
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4276

agcttattgg gcagtgaaga cttgcaactt ctttatggac caagctggtg aggaaagaaa 60

gttgcaactg agtgagttag atgaaatccg cctagaagcc tacgagaacg ccaagttcta 120

caaagaaaag accaagaagt tccatgatag catgatagtt aaaaaagact tcgtggttgg 180

gctaaaagtg ttattgtata attctaggct tggactcatg agtggtaagt tgaggtctaa 240

gtggattggt ccttttgttg ttactaatgt ttttccttat ggtacagttg agatcaaaag 300

cgactccaca aacaagagct tcaaggtcaa cggacatcga cttaagccat tcctcacgaa 360

cccttcttta gtggacgtag tggtggaaga gacttcctta ctccacccta ctcttcctcc 420

accatgactt anggagtttt tcttttccta tctccttcct tgcttttatt acacttgtcc 480

gattcttttt gatgatttaa ttgtttttaa tcttttaatt gtgctacatt gagggcaatg 540

tgttgtttaa gtatgggggg gg 562

<210> 4277
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4277

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agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc aggagtntgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtggag caa 373

<210> 4278
<211> 397
<212> DNA
<213> Glycine max

<400> 4278

agcttgcgca tccaatacct tgatgaggat gtcccatatg ttcttaaaac tggactgatt 60

catttgcttt caaagtttca tggccttgca ggtgaagacc cacacaaaca tttgaaagaa 120

tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180

aaggcttttc ctcattcatt acagggagtg gcaaaggact ggctgtatta ccttgctcca 240

aggtccatca cgagttggga tgaccttaag agagtattct tagaaaaaac tttccctgct 300

tccaggacca cagccatcag gaaggatatc tcaggtatta cacacactac tggacagagc 360

ctgtatgagt cctgggagag atttaagaaa ctatgtg 397

<210> 4279
<211> 406
<212> DNA
<213> Glycine max

<400> 4279

aagcttggtt catctgagta accatctttt ccatctgatt tgtcaaaccc tgaatggagg 60

ctcttgtctt ttgctgaaat cgcatattct ggatggtcat ttgcctaact aagtcttcta 120

aaaaaggttg cggaggagcc ttaaacgctt gttgactttg ttgtgactgc tgcggtattg 180

taagacgaac atatggcttg tttggaccag caccattctc ttaaggaggg acaagatgct 240

gctgatgcct aggacttgtc catctcacat ttacatgaat cctccaacct ggaatgtatc 300

tgatgcttga aaagtcctac acattctctt gttgctggac ttacagatga ggaggtgtat 360

aataaatgtt tgcaccctaa ccttccagac gctcactgac tcccta 406

<210> 4280
<211> 585
<212> DNA
<213> Glycine max

<400> 4280

agcttgtata catgattttg aaatttatga tcctcaaaaa actaggagat tgggaaacaa 60

aaacttcctc atcaatatat ccatttaggg aaacactctt tacatccatt tggtacaact 120

taaaattcat tattcaagca taagcaagaa gtaaccttac aacctctaat ctagctaccg 180

gtgcatatgt ctcatcaaag tctataccat cttgtgggtt ataacctttg gctacaaggt 240

gagccttgaa aacctatttt cctagttata acactatttt catcaagctt gttcttaaaa 300

acctatttag ttcctatgat gttcaagtta ttagtacttg ttatcaattc ccatacatca 360

ttccttttaa attgatttaa ctcatcatgc atagacataa tccaaaactc atcttttaat 420

gcatcatcaa aatttaaggg ttcaacttaa gacacaaaag ccatatgttc acaaaacaaa 480

cttaaagagt gtctagtaga tactctcttc tcaatatcac caatgatatt gtcaatatat 540

agatttctag gggttcacca ttctttggga agatcttgtg atggg 585

<210> 4281
<211> 439
<212> DNA
<213> Glycine max

<400> 4281

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tcttaagaag ggggggttga attaagatat tccaaactgt ttcccctaat taaaaatcta 120

tttcactttt tactcaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180

aatgaaacaa tttgaatatg aatataaagc aataataaat aaaaggagat taagggaaga 240

gaaaatgcaa actcagtttt atactggttc ggccacaccc ttgtgcctac gtccagtccc 300

caagcaaccc gcttgagagt tccactatct tgtaaattcc ttttacaaat tctaaacaca 360

caaggacaat tcttcctttg cgatatagat cctttaccca agagactcac agtctcttaa 420

tcccttagag aatgagaag 439

<210> 4282
<211> 447
<212> DNA
<213> Glycine max

<400> 4282

tagactcagc tcgtcttacc atccacaaac agacggtcag actgaggtgg caaatcggat 60

agtagaacaa tacttgaggg ccttcgtcca tcgcaagcca gcgttgtggg gacgatttct 120

gttgtgggca gaatggtcgt ataatacttc gtgccattcg agtacgggat taactccgtt 180

tgaaatcacc ttcgccgaaa accaccagct atccctgaat acataggtgg aacatcacag 240

gtgtcatacc ctaatttcgt ccggggacca tccgtttgtt gggatgcgac cctcgtttga 300

ccacttcgag gtacttggca cccatcgtta ggcaatctgt gaagtttcgt gacatgctgg 360

aagtcaaaag gaagcattgt tgcacaatcc gtgaagttcc atgacatgct ggaaatcaaa 420

aagaagcatt tgtgcacaat ccgtgaa 447

<210> 4283
<211> 434
<212> DNA
<213> Glycine max

<400> 4283

tctgcttata aaggctatgg gatggtgatc ttgcatgaga acagctctta cccccactcc 60

taaggcatca acctccacta taaaagtctt tgtaaaatca ggtaaggcca atacaggtgt 120

ctgacttaac tgatccttaa gacactaaat tgcaagcttg gcttcctctg accaagaaaa 180

actatctttt ttcaacatgt catttagtgg tttggctatg gtgctatatc tccgcacaaa 240

tcttctataa tatccttcca aacccaaaaa tcctctcaac tatttggggg tctaaggaag 300

tggccaattc ctcatcgctt ccaccttatc agggtcagta gagactcctt ctccagtgat 360

aaaatgtcct aagtattcta ctcgaataac cccaaagtag cacttagatt tcttggccaa 420

caagacattt gctc 434

<210> 4284
<211> 453
<212> DNA
<213> Glycine max

<400> 4284

tgccaaccca tggaagctcc taatatctcc cacacttttt ggggtgggcc attcttggat 60

ggccttgatt ttctcagggt cattttggac cccatttcta ccaactacaa accctaagaa 120

aactatatta tctacacaaa aagtacactt ctctatattt gcatagaggg tgtttttcct 180

aaagactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240

taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctca agacatgatg 300

cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360

atacaaacaa aatttggtct tgaaagcggg tttccactca tcacccttg tcatactgat 420

ttggtgatac ccacttttaa gatcaatttt tga 453

<210> 4285
<211> 419
<212> DNA
<213> Glycine max

<400> 4285

agctttaaga aaaatcaaac gacaataagt ttttactcag atgtcggata aaggcccgta 60

aaatatcgag acgctcaaaa ttgaaaacag aagcactcaa caaattcaaa cgacaataac 120

ttttgactcg gatgtccgat tgtgtcccgt aatatatcga gacgctcgaa attgaaaact 180

gaagctctga gaaaaatcaa acgacaataa ctttttactc ggatgtccga ttgagatccg 240

taatatatcg agacgctcat aattgaaaac agaagctctt agcaaattca aacgacaata 300

actttttact cggatgtccg attgagtccc gcaatatatc gagacgctcg taattgaaaa 360

cagaagctct gagcaaaatc aaacgacaat cacttttgac tccgatgtcc gattgagtc 419

<210> 4286
<211> 675
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4286

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actttcttca ctaaagcggg gatccatctc cacacatatt ttatcaatag ccacataaaa 120

aatctctgca cggcaatgat gaaaattagt gatagatctc ccttctgctc ttgaacgacc 180

ccgaactggt atttcgtcat ccatatttgg ttccagaata cttttagcaa cacaaaatcc 240

ttggacatcg gcaaaaaaat tattccagcc actctttcat tgtgcccaac cgagctttga 300

caacatcaac taattccatg gcattcacaa tataaagacc ttctctttgc catatatggg 360

aaagctcgtt cgcaatccca acaactttaa ccattacccc aaaataaaag caaatttaag 420

ctctacaatt atttttgaaa aaattggcac atgccaaacc tccatttcaa ttttttcatt 480

taaaaccata cccttaggca acccttttta accccggggg ggaacccaca tttttgtatt 540

ccaaaccaaa cgccacttgt ttgtttatcg aaagggtgga aacccccccc atttttttata 600

gtttttcccc cgggggggtct ctcagtggga gaaacaaaat aggaattggg cgtgtaaaag 660

ccccccccct ttccc 675

<210> 4287
<211> 658
<212> DNA
<213> Glycine max

<400> 4287

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ttaccctcgg aagcggaaag aatagaaggg aaatttccaa tcaaagaaaa ggaaagaaag 120

aagatttcca atcaaagaga aagcaaacaa agaaaagaag gaaaattccc caatcaaaga 180

gtgggagaaa gccaaaagaa aagaaagaaa attcccaatc aaagaatggg agaaagtaaa 240

aaaggaagaa gaagaaggaa agaaagctcc tgatcaggga tcgaaggaaa acagaagaaa 300

tgtgcagaaa ggtctttgga ccggacaata tctgaacaat acagaattgt caccaaatga 360

acaaaaagaa ggaaaggaaa ccacgaccta aaatggtctt ctccctttga ttaccaacca 420

aaatcccgtg cgctagcgac tttttcgccc cgcactaaac aaaaacagaa aaagaaaacg 480

ccaacaaaaa aatccaaagc caaaaacaca caaaagccga aaaacccatc aagaaaaccc 540

atttcccaag gcaagtccta ttgatccatg atcacgcatg taatttttga tttgataaga 600

aataatttgc acagtccagt catgacatat ctatggtttg gaattaggat gaaacact 658

<210> 4288
<211> 389
<212> DNA

<213> Glycine max

<400> 4288

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catgaacgaa aacacaattc atggggctcc gaaaaagggg ttgagaatgg agaattacac 120

taagcaatca ctacgcatag ctccaaactc gaaggtggag gacacatgaa cgataacgct 180

attcatgggg ctcccaaaag attgagaatg gagaattgca ctacgcaatc actacgcata 240

tctccaaacg cgaaggtgga ggacacatga atgaaaacgc aattcatggg gctccgaaaa 300

gattgagaat ggagaattgc actaaacaat cactacgcat agcttcaaac tcgaaggtgg 360

aggacacatg aatgaaaatg caattcatg 389

<210> 4289
<211> 512
<212> DNA
<213> Glycine max

<400> 4289

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atatatcgag acgctcgaaa ttaaatacgt aaggtactag caaattcaaa ccagaataac 120

tttttactgg gatttccgat tgagtcccgt tataaatcga gaatctcgaa attgaatacg 180

aaagctctga gaaaattcaa acgacaataa ctttttttctc tgatgtccga ttgagtcccg 240

taatataccg agacgctgga aattgaatac ggatgctttg agcaaattca aaagacaata 300

aacttttact cggatgtccg tttgagtcct atagtatatc gagaggctcg aaattgaata 360

cataagctcc tagcaaattc aaaccaagga ggaatgatga gaaaaagaaa ggaattgctc 420

ttaaagcttc atcttcaact caaggaagaa gtgataagga ggatttcaat gaaatagacg 480

aagatgatga tctcagtctt tttgtaaaaa ga 512

<210> 4290
<211> 477
<212> DNA
<213> Glycine max

<400> 4290

tttaagttct tcctcaaaac tgtcctaagc aaagttccct aagtcctatt aacaacttcc 60

gtttgcccat cggtttgtgg gtgacaagtg gttgaaaata acaatttagt gcccaacttg 120

ctccacaaag tcctccaaaa atggcttagg aacttagagt ccctatcact aacaatgctc 180

cttggcaaac catggagtct cacaatctcc ttgaaaaaca aatcagccac atgggaagca 240

tcatcaattt ttttacatgg aataaaatga gccattttag aaaacctatc aacaaccaca 300

aaaatggaat ctctaccatt gcttgttttt ggcagcccca aaacaaaatc catggataaa 360

tcaatccaag gatactccgg aattggcaat ggagtataca atacatgagg ctttacctta 420

gactttgcct ttttacatac aatgcaatgt tcacaaaatt tctgcacatc cttttta 477

<210> 4291
<211> 572
<212> DNA
<213> Glycine max

<400> 4291

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agccgcaact aaatgatctt ccctgtcaac cttgtttaga tgcaatgttg cagctatgaa 120

ttctccatat tcaattgtgc cactgttatc aacgtcagcc tgtaaaccaa aacaaaattg 180

ggttccatgg atcaaaataa tatactacta aaagattata ccttttctaa ttttattacg 240

cactatcaat atatcattat aataaaaatg tcttattaaa tgatacttag aacacctctt 300

tgcgcttgat cataatcata aacaatgaat agcaaacaat aaattgctcc caggatccag 360

gtgccatgaa aaattagtta cgcatcccta tttatgcatg aaatccactt taatgtaatt 420

ataataatag cataaccagc atataaaaat aagagaacaa tgcaacaaat tctttgaaag 480

tctcctctta acactattat tatgtgaaaa ttgaaatcct aggctatccc cactaaatgg 540

aagacatgga gaaaatgtat gttttatgaa at 572

<210> 4292
<211> 406
<212> DNA
<213> Glycine max

<400> 4292

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gcgcagattg aatatttgca tcacgttgtg tcaactcaag gggtccaacc agttgcctct 120

aaagtccagg cagttcaaca ctggccaata cctcatagca cgagagcttt acgcagcttc 180

tttggtttgg ccggattcta tcaaggttta ttcgaggata tgtcttttg acagcaccat 240

taacatcttt gatgatgaag gaacctttc tatggtctac agaagctcaa cttgctttta 300

ataagatcaa ggaagcctta tcatctgctt tggttttgtc cctccctatt tcacccttcc 360

atttacagtg gaaacagatg cttttggaca ggtattgggc gtgttt 406

<210> 4293
<211> 431
<212> DNA
<213> Glycine max

<400> 4293

tgtaatcgat tacacgcata ctgtaatcga ttaccagagg agtttttcag aaaacattct 60

caacagtcac atctttttgt gtggttcttg aatggctatc ataggcctat atatgtgtga 120

cttgagacac gaatttcata agagtttttc agaacaaaaa ggtcttatcc tcttatagaa 180

caaaaaggtc ttattcaaat tgttctattt gaatcaatat ttaagaaatt cattattaag 240

ggaatttata acttgaatag aaagttaaat agaattttta attagggaaa taagttgtaa 300

tatcttaatt caacccccc cccttcttaa gatatatgag gccacttgtc caacaccata 360

gattcaaaca gaaaacgtta atgaaacatg aagcagaaac gtacattacg gatacgttga 420

tgagacagaa a 431

<210> 4294
<211> 261
<212> DNA
<213> Glycine max

<400> 4294

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ttccctgcca cgcattgatc tattggtaga taatacaacc aagttgccac attttcttat 120

ttatggacgg cccctccggg tataaccaaa taaaaagggt ccccgaacat gcacagaaga 180

cccctttcgt aaccctatgg gggacgttct gctatacagc gatggccttc gggctgaaaa 240

atgctggggc aacctatcag c 261

<210> 4295

<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4295

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aatatatatg tgaggggtag agggtgtcac aacatgtctt gaagttaatt ttgacagttt 120

tgaattttga aattagatac gatatatttt taacacatgt tcatattatg ttttgaatct 180

ttccaaccct atttagtgtc ttatattctt ttaaaagata taagttattt cctttgtgca 240

acattgattt actcagcttt gttgtaagtt gtttttgttg gaatttttg ttccaataat 300

taatgtgagc taatattata agacaattat attagttatt tatcattagt gagttttatt 360

ttatgtgatc agattaattg agtccgttag acaactaaat cagatgatgt agacttagat 420

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aggctgttgt ccncaatata ccagccatca cata 514

<210> 4296
<211> 400
<212> DNA
<213> Glycine max

<400> 4296

cgcttaacca attagatgga acaattggct acacagttaa atcaacacca ctcccataat 60

tttgacatat taccttctca atctgtccag aatcccaaaa atgtgagtgc cattgcattg 120

aggtcgggaa agcagtgtct agaacctcaa ccagcaacat cttcctcatc cgcaaatgaa 180

cctgcccaac ttcactctac tccacaaaaa gatgatgaca aaaatttaaa gagtaagata 240

cataacaatt tctatgcacg tgaatctaaa gagaagcagg atatcccttt tccattccct 300

ccaagaccaa ttttcaacaa aaaaaaggaa gaagtataga acgagatcct gcaaacattt 360

ataaaagtag aggtaaacat acctttgctg gatgcattaa 400

<210> 4297
<211> 384
<212> DNA
<213> Glycine max

<400> 4297

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tgtcatgcaa gtgcttttct gcatcaaaca aatcaaattt gatcttttga tcatttacac 120

ccattttcat tataccttte cccatatcca ccacacaatt ggcgattaac atgaatggac 180

gacccaaaat cagtgggatc tcagtatcct cttcaatgtc catgacaaca aagttcgcac 240

agaaggttaa ctgttgcacc ttgaccaaaa catctttaat cactccataa ggtcttgtta 300

tagatctgtc tgctagctat agtgtaattc taactggcat aatcttcaac tctccaattc 360

ttctgcacat ggatagcgac gaaa 384

<210> 4298
<211> 353
<212> DNA
<213> Glycine max

<400> 4298

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acttggctag tgagtataat gtaagtgcca ctctcaatgt gtctggtcta tctcttttttg 120

atgcagatgg aggagccttg gatttgaaga caaatccttt tcaagaagga gggagtgatg 180

aggacatttg ataaaatttg gtgagaggtt ctctctgggt tccttgttga accaattatc 240

agacttatca aggtaatcct tgtggcgtct acccagactt atcttccttc attggaagtg 300

gcgtctaccc ggacttatct tccttcaccg gaagtggcgt ctacccagac tta 353

<210> 4299
<211> 389
<212> DNA
<213> Glycine max

<400> 4299

tctcggtata ttatgcacct gaatcagacc tccgggtgac aagttatgac catttgaatt 60

tctcgagagc ttccgttgtt caatttcgag cgtctcgata tcttatgcgc ttgaatcgga 120

cctccgagtg aaaagttaag accatttgaa ttgctcaata gcttccactg ttcaatttct 180

agcgtctcga tatattatac gcctgaatcg gacctccgag tgaaaagttg tgaccatttg 240

aatttctcga gagcttccgt tgttcaactt agagcgtctc gatattttat gtgcgtgaat 300

cagacctccg agttaaaagt tatgaccatt tgaatatctc gagagcttcc gttgttcaat 360

tgcgagcgtc tctatatgtg atgcgcctg 389

<210> 4300
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4300

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cccgacaaag acactgaaaa aaacttatct tctccttttt ggacaaagta tgagaagctg 120

ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctatgatcgt atccccatct 180

tagctagatc ttgacgggta tttgtcgcaa atgccctttt gcgggcgtgt gaggcgaggc 240

tcacgtgtgc gctttccaaa ggaggaaaga tgcgcggagt cgccaccaac gtctatgtgt 300

ggaaaacgtc gganaaacca aaggaaaccg gtcaaaatga aaattctaag ttcgggaatt 360

gtatttacg 369

<210> 4301
<211> 592
<212> DNA
<213> Glycine max

<400> 4301

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tccatcataa ctcttgatca atgtacatgc atacactatc aaatctcaaa gatatttcat 120

tattctcaga aaaagcaaca tcacttgtaa ctttcctcac actatttgtt tcttatatca 180

tgtctttgag tgagaaaaat gataaaaaga aatttcttca aatgcccatc caaatcgatt 240

gagtaacaca attattaaaa tagaagaaaa tttaaaataa ttttgttcac tcttaattta 300

tataatctgc actaataaaa atagaattat ataatatgcc atgtaatcct aaagaaacgg 360

gactattaaa agaatattta aaaaaaaaac atttaaaatc atgataagaa tgtattagta 420

atattattta agacaattat taagtactat ggaaaaaaat gtaaaattaa ttatatcttt 480

atgaaattat ttgtatacaa taacttttt tttctacccg tcatgaaaag gataggaaga 540

caagagatac acttacagta tgttatagta accttataac actagatgat gt 592

<210> 4302
<211> 483
<212> DNA
<213> Glycine max

<400> 4302

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atttgctgcc caagtttcat gatcttgcag gtgaagatcc tcataagcat cttaaggagt 120

tccatattct ttgctctatc atgaaacccc ctgatgtcca acaagatcat atctttctga 180

aggcttttcc tcattctctg gaaggagggg cacaagattg gctatactac cttgcgcccc 240

ggtccatttt cagctgggat gagcttaaga gggtgttctt ggagaaattc ttccctacat 300

ttaagaccac taccattaga aaataccatt taggcatcaa acaacttact ggagagagct 360

tgtatgagta cctagaaaga atcaagaaat tgggtgcgag ctgccctcac caccagattt 420

ttgcaaaact ccctttttcca tatttctatg agggaccttg ccaacatgga gaggagtatg 480

att 483

<210> 4303
<211> 356
<212> DNA
<213> Glycine max

<400> 4303

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atcaactcta cacacatagg tccaacactt gatgttaggg tagcatcaag gtggctcaca 120

aaagactcaa gtcccaaaaa cttactaact aactctttaa tcccggactt ggtacaaaaa 180

ctcgtgcagc ctccatgatt atatagcaat ctgcgtttct gggcttgaaa ctttttgatg 240

ctggaggaga tatatctttt tttgaaaaaa tctgccgtta aagaaactaa aagaaaaact 300

tttgaacttt taactagaat cctccaatcc taaatcttat aatcccctaa cgaact 356

<210> 4304
<211> 578
<212> DNA
<213> Glycine max

<400> 4304

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atatgagaac ctccgtttac tccctctcac tcacactctc gtgtttacaa ttaagtcaaa 120

gacacaccag agatcaactc tgaacaaaag agatcaactc tacacactag agatcaactc 180

tacacactag agatcaactc tacacacata ggtccaacac ttgatgttag ggtagcatca 240

aggtggctca caaaagactc aagtcccaaa aactcactaa ctaactcttc aatcccggac 300

ttggtacaga actcgtgcag cctccatgat tatatagcaa tctgcgtttc tgggctgcaa 360

cttcttgatg ctggaggaga tctatcttct tctgaaaaaa tctgcagtta aagaactaaa 420

agataacttt tgatctttta gtttgaatct ttaatcttta atctttaatc cctgaacgaa 480

cttttctact ttgaaattcg aacttttatt atcttttaat tcgttcccag aagatagatc 540

atctaatctc ttgctaactg cacaataatc tgttaaag 578

<210> 4305
<211> 354
<212> DNA
<213> Glycine max

<400> 4305

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agacatcttg ccaaacaaag gcaagttatc cataactcgc ctatgctttt atttccatgc 120

catatgtagc aaagtcggtg atgctgacta atctgatgag ctggaaaatg acgctgctat 180

tatatcgtgc cagttggaga tgtatttacc ccctactttc tttgacatca tgattcactt 240

gattgtgcat ctgggcagag aaatcaaata ttgcggacct gcttatttgc ggtggatgca 300

cccggctgag caaccaatga agatgttaaa agggtatacc aagaatctat atca 354

<210> 4306
<211> 632
<212> DNA
<213> Glycine max

<400> 4306

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cactttctaa ccagaatttt acttccctgg ccatctattt gtagcgacta cttacaaatc 120

ctaaacaaac agattaacta aaatttcaag tttcatgcta tacactctac actatatctc 180

ataccagctc cttttattag tgatcattat tactatgtat tccaagtttt tagaaagata 240

agtcctagca taacaagtag aataagaaaa aagattgatg ttaacatgga agagatgaac 300

taatttaatg aatccttcat atttaaatat aagggtaaaa tatatacacc ctctgaactc 360

tgaattattg ccctatatca gcttacccct taaagttcat cattattttt ttctttaact 420

aagtatctct ccttctatct cttctaaatg tctctttcaa aaacactaga aataactgaa 480

aacaaattac aaaaaccaaa tgcaaatgat cccaattatc aaatatttta attaatataa 540

aattaactac atctagttca aatacataat gtaaatataa ctatataacc attactacca 600

aaataagatt ataaaatata tgaataaaat aa 632

<210> 4307
<211> 579
<212> DNA
<213> Glycine max

<400> 4307

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aagaggtagt gttgccatgt tttcaaagcc cgtactaacg catacaactc cttatcataa 120

gttgaatagt taagggtagg accacttaac ttttcactaa aataagcaat tggatggcct 180

tcttgcatca acacagcccc aatcccaaca tttgaagcat cacactcaat ttcaaaagat 240

ttttgaaagt ttggcaacgc aagtatgggg acattagtta gcttttgctt aagaacattg 300

aaagcttctt cttgtttctc tccccatttg aaaccaacat ttttcttgag cacttcattg 360

agaggtgctg ccaatgtgct aaaatccttc acaaatcgtc tataaaaact tgctaagcca 420

tgaaaactcc tcacctcggt cacagactta ggtgtaggcc attcttgaat aaccctaacc 480

ttctcctcat caacttgcac tccttttgaa ctcacaacaa aaccaagaaa cacaacatgg 540

ttaataccaa agatgcattt tttaagattg gcatacaat 579

<210> 4308
<211> 452
<212> DNA
<213> Glycine max

<400> 4308

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ccttcaacaa tgctaaaatt gaagcattga gaaataataa aggcttgtgt ggaaatgtca 120

ctggcttgga gcgttgccca acatcaagtg ggaaatctca taatcatatg agaaagaaag 180

tcataacagt aattttaccc attactttgg gcattctaat aatggcatta tttgtttttg 240

gagtctcgta ttatttatgc caagcttcaa cgaaaaaaga agagcaggct acaaatttac 300

aaactccaaa catatttgca atatggagtt ttgatggcaa aatgatattc gagaatatta 360

ttgaagccac agaaaacttt gacagcaagc atctcattgg ggttggaggg caaggatgtg 420

tttacaaggc agtgttgcct acaggtctag tt 452

<210> 4309
<211> 545
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4309

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attttgtcag ggtgtacttg gaccccattt ctacaaacca caaaccctaa taaaactata 120

ttatctacat aaaaggtaca cttctctata tttgcataga gggtttttt cctaagaact 180

gaaagaactt gcctgagatg tcctaagtga tcatctaggt tcctactgta cactaaaata 240

tcatcaaaat aaacaactac aaatcccttа agacatgatg cataagcctc ataaaggtgt 300

ttggtgcatt agtgagccca aaaggcatcc ctatccattc atacaaacca aacttggtct 360

tgaaagcggt tttccactca tcactctctt caatcctggt ttggcgataa ccacttttaa 420

gatcaatttt tgaaaaaatg ttggcatcat gcaactcatc aagtctagga atggggtgcc 480

tatacttaaa gtaatgttcg tgatggccct gcaatctgta cacattctcc acttaccatc 540

ctttt 545

<210> 4310
<211> 505
<212> DNA
<213> Glycine max

<400> 4310

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atggcatcat ttttggcgct aaactgctgg gagtgggagg ccttcttctt aattaaattt 120

ctggttttag caggagtcat gtctgcaagg gctccaccac tggcagcatc tatcatactt 180

ttctccatat gactgagtcc ttcataaaaa tattggagaa gaagctggtc cgaaatctga 240

tggtgggggc aactggcaca tactttctta aatctgtccc agaactcata caggctctct 300

ccactgaatt gtttaaatac ccgagatatc ctttctgatg gctgtggtcc tgggagcccg 360

gaaaaatttc tctaataata ctctcttaag gccatcccag cccgtgatgg accttggagc 420

aaggtattac aacccagtct tttgccctcc cttgtatgaa tgaagaacag cccttaaaaa 480

aatgtgtatc tttttggaca ttagg 505

<210> 4311
<211> 571
<212> DNA
<213> Glycine max

<400> 4311

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ggatttcaat aaaaacgaac ttttaaaatt atagttacaa aaacttttt tggacagatt 120

gtattacaaa acttttataa tctaaattta attaattcac cctttacacg aaatccctta 180

ttaaagttat tttttttaca aagatatatt tttgaacctt tttaaaattg attaatacta 240

gaatgagaga taaagattaa attaagggaa gaattataca acctttttat attggttgac 300

tttatattag aagagaagct aatctagtta tctaattcaa aaccagaatt agatttccat 360

tatgtatata gaatctttaa aagtaattaa aactaattta caattggtag catagaaaaa 420

agatttatgt atcttaaact taggtttttа gtgaataaga acctatgaga aaatttacct 480

tatgtggaaa ttatataaac ctattctagc atgtttttat ggatttattt acaaaaaaaa 540

ttattttgta aatccttatg gtataaccta g 571

<210> 4312
<211> 387
<212> DNA
<213> Glycine max

<400> 4312

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acatattcaa gtgatcacca aattcaagga attggtaatg gtctcattcc aagtgtactg 120

gatgttcatc tactaaatga agttaatcag gtaccttcgt atagtcttgt cttcaagctt 180

gtgtctcttc acgtctggaa tatgaatgta gcatatagat ccaaagaccc ttaggtgctt 240

tcctgatggc ttcttcccgt tccaagcttc aattggagtc ttgtctttta cagacttagt 300

tagacatctg ttgagtatgt aaatagcagt gtagactact tcagcccaaa atgtgttaag 360

gagtcccttc tccttgagca ttgatct 387

<210> 4313
<211> 529
<212> DNA
<213> Glycine max

<400> 4313

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tgtttatggg gttagaaagg gtcataattg aatcctaacc atgtagccta acttcttatt 120

tcttatctcc cttcttcaga aaaaataaat ctacattaac taacataata tatatcggaa 180

acaatcttct agatattatt tatcaatgtt cgaggcgata ttacatggaa aaaaatggta 240

ccttgcggag attatcttcc ttggtgaggc gagagagacg agcgacgaag agagtgcaat 300

aagggtcttc agcagccctg ggatcaccaa atgggtcatc tgcaaaattc aatttgtaag 360

cataaaatgg aacacaaatg aaatttttga aaaaggaaaa tgaatatgaa gaaaaaacaa 420

acaaaggcca atggaggaac agagttgagc gcgaataacg gcgttgtcgt gaggaacaac 480

atcggtgccg tccatgctgc caacttgtat gggatggtat gaatctgcg 529

<210> 4314
<211> 546
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4314

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gcgcattctt tttcctagtc gatcactcac ttaattctcc atattcttcc cctttgtttt 120

tgagtttaag cttcacttga aattaagcta tttaattata tgagttcttg atttaatccc 180

tattttctct ccccctttgg catcaacaaa aagccaaagt gtgttagaaa tataaaacat 240

acataaatga ttataaagca taataccaaa tgtaagcaca tatcactaga catatgtcat 300

caaaataatt aagcttaaaa ctcataacaa ttaagagtaa gtcaatataa tcatgttaag 360

ttatactaat caaatattaa aagaaatact aagcattcaa acgtcataaa aatataaatc 420

atttgggtaa gtcactagca tctagcagtc ctaattctct cctaatggtg tagaaaagaa 480

ttttcgttac tgggtttgtg aagacgtccg aagttgattt ttactatcta aaaattctaa 540

aacact 546

<210> 4315
<211> 456
<212> DNA
<213> Glycine max

<400> 4315

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gagattgaat gttgaagctc tgagccaatt caaacgacaa tatcttttta ctcggatgtc 120

tgattgacgc ccgtaatata tcgagacgct cgaaattgaa tgttgaacct ctgagccaat 180

tcaaacgaca ataacttttt actcggatgt ctgatagagg ctcgtaatat atcgagacgc 240

tcgaaattga atgttgaagc tctgagccaa ttcaaacgac aataactttt tactcggatg 300

tctgattgag gcccgtcata tatcgagacg ctcgaaattg aacgttgaag ctttgagcca 360

attcaaacga caataacttt ttactcggat gtctgattga accccgccat atattgagac 420

gctcgacatt gaatgttgaa gctctgagcc aattca 456

<210> 4316
<211> 453
<212> DNA
<213> Glycine max

<400> 4316

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caacaaagaa agtagtccaa ataatagaaa ccaacaagga tgaggttgta gtgaagatca 120

aggaatagga cgaggtcata gacaaggaca aggccatggg aaaggctcaa caaatttcaa 180

agaggagaaa tctcaacaag aggtcatggc caaggcaact caagatcaag gtatgacaag 240

tcaaatgtga aatttaacaa ttgtggtaaa ttttacaatt gtggccaagg caactcaaga 300

tcaagggatg acccttttatt gacgacttgc atgattaatg aaagaagaaa agacaattaa 360

tggtacctag acactggtgc aagcaatcat atgtgtggaa aaaagatcat gttggtggag 420

cttggtgaat cgatgaacgg aaatgtggct ttt 453

<210> 4317
<211> 470
<212> DNA
<213> Glycine max

<400> 4317

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aactacttca cattgattta tttggtccct ctagaactat gagtttgggt ggaaattact 120

atggcttact aatagtggat gattactcaa ggttcacatg gactttgttt ttgaaaacaa 180

aaaatgaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat gaaaaaggtc 240

tcaacattgt ttcacttaga agtgatcaag gaggtgaatt tcaaaatgag tcttttgaaa 300

acttttgtga agaaaatgga attcaccaca atttatctat cccaagaaca ccacaacata 360

atggtattgg ggaaaggaaa atagatctat tgaaaaagat gcaaaaaccc ttttaaatga 420

aacaatgtta cttaaggact tctgagctga tgtgctacac actatttgtt 470

<210> 4318
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4318

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atgttgatgt ggaagaatta ttcatattta cctgggttaa cgttattaga gagaaatcag 120

aaatctttga agtatttaaa gagttgagtt taatatttca aagagagaaa gattgtgtta 180

ttaagagaat aaggagtgac tatggcagat agttagaaaa cagtaggttt attgaatttt 240

gcaaatatga aggcatcact tatgagttct gtgtagtcat tacaccataa cataatggaa 300

tatttgagag gaaaaacagg actttgtaag aggatgaaag ggaaaatgat ttatgcaaaa 360

aaacttactt taatctatgg gttgaaggca tgaa 394

<210> 4319
<211> 535
<212> DNA
<213> Glycine max

<400> 4319

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gcagttctat cccagaagaa ccacacaatc gccttcttca gcaaaccctt ctgttctaag 120

ctccttcgtg cttccactta tgtcagggag cttgtcgcca ttaccaccgc ctttaaaaag 180

tggagacaat acttattagg caatcctttc actattctca cagaccaccg tagcctcaaa 240

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ggctatgact atacaattca ctatcgtgtc ggaagatcca atgcagcagt cgatgccctc 360

tcacggtagc caaaagaagc ccccttggc caatttttc ttctaaccat tccatacttc 420

ctttttttt gcaagaactt aaacaacaac tcctcaacaa tcccttcttc gtggactttc 480

accgctgcat tcaagacaat ccttctcaat accctgacta ctccatacgt tatga 535

<210> 4320
<211> 556
<212> DNA
<213> Glycine max

<400> 4320

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ggcctatgca ggttgaaagc cttggaggaa agaggtatgc ctatgttgtt gtggatgatt 120

tctccagatt tacctgggtc aactttatca gagagaaatc agaaaccttt gaagtattca 180

aagagttgag tctaagactt caaagagaga aagattgtgt catcaagaga atcaggagtg 240

accatggcag agagtttgaa aacagcaggt tcactgaatt ctgcacatct gaaggcatca 300

ctcatgagtt ctctgcagcc attacaccac aacagaatgg catagttgag aggaaaaaca 360

ggactttgca agaggctgct agggtcatgc ttcatgccaa aaaacttccc tataatctct 420

gggctgaagc catgaacaca gcatgctaca tccacaacag agtcacactt agagaggcac 480

tccaaccaca ctgtatgaaa ttggaaaggg aagaacccac tgtcagcact tcacattttg 540

ggagtccatg ttacat 556

<210> 4321
<211> 539
<212> DNA
<213> Glycine max

<400> 4321

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cgtgctagtt ttgcctaacc tgagagaatc ctttgatgtg tattgtgatg catcagagat 120

gggtttagga ggagtataga tgcaaaatgg ccaagtagtg gcctatgctt ctggacaact 180

caagactcat gagaggaatt atcccaccca tgatctatag ttggctgctg tagtttttgc 240

ccataagatg tagaggcatt acctgtttgg ctccaaattt gaggtgttta gtgatcataa 300

gagccttaag tacttgttta gttagaaaga gttgaacatg cctcaaagga gatggttaga 360

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tgtcgccttg agtaggaaat ccctacatat atatgcattg atggttaaag agctggattt 480

cctaaacaat ttagagacct tagccttgcg tgggaggtta ccttttataa tgtgagatt 539

<210> 4322
<211> 572
<212> DNA
<213> Glycine max

<400> 4322

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ataacttttc acctagatgt ccgattatgg cgaatcacat atcgagacgc tcaaaattga 120

acatcggaag cccttgagaa attctaatgg tcataacttt taactcggat gtccgattca 180

ggcgcatcac atatcgagac gctcgaaaag gaacaacgga agctctcgag aaattcaaat 240

ggtcataact ttccacactg aggtccgatt aaggattata atatatcaag acgctcgaaa 300

ttaaacatcg aaagctctca agaaattcaa ttggtcatca cttttcacac ggatgtccga 360

ttcgggcgca taatatattg atacgctcga aattagacat cggaagctct cgaaaaattc 420

aaatggtcat aacttttcac acgaatgttc gattccggcg aatcacatat cgaggacgct 480

caaaattgaa caacggaagg tcttgagaaa ttcaaatggt catacatttt cacacggatg 540

tccgactcat gcgacataca tatctagacg ct 572

<210> 4323
<211> 389
<212> DNA
<213> Glycine max

<400> 4323

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cttatcacgc ggatgtctga ttcaggccaa taatatatcg agatgctcga aattgaacaa 180

tggaggtctc gagaaattca aatggtcata acttttcaat tggatgtccg attcaggcac 240

atcacatatc gagactctcg aaattgaaca acgaaagctt ttgagaaatt caaatgggca 300

taagttttca gacggaagtc cgattcaggc gcattatata tctagacgct cgatattgat 360

caccggaagc cctttggaaa tttaaatgg 389

<210> 4324
<211> 290
<212> DNA
<213> Glycine max

<400> 4324

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atataactct ggtctaatag taataaaaca tacgtagtaa gcagtgacag tgccggcaga 120

gttgccacca acgagcttga gttgcatatc gatcctccca aataggtact ctttcttgga 180

ttggaagccc ggaccagaga ctttgtccag agaaagagat agaagctgcc caccattgaa 240

tatcttagca cggtgatcac cccatggttg atcaaagtct tggttgaagt 290

<210> 4325
<211> 408
<212> DNA
<213> Glycine max

<400> 4325

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tcaacacaca tgccttgaag ttgttacatg agaagaacat gatgagagat ctttccagcc 120

taaaggagaa caaccaatcg tgtgaaggat gtcttcttgg taagcaacac cgatttcttt 180

tttaacaagc agaacatgga gagcgaaaga tctattggag ctgatacata ccgacggttg 240

tggacccatg aggacgccct cccatgagaa caacaggtac ttcatactct tcattgatga 300

cttctctaca atgacatggg gatatttttt aaaaaaaaac ttaaaagtct ttggagtatt 360

tcaaaagctc aaggcccctt gctgaaaatc aaagtcgaaa accggtta 408

<210> 4326
<211> 543
<212> DNA
<213> Glycine max

<400> 4326

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aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggta ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacctt tggagaaata tttaaaaatt gtgaaatttt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaata aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360

ctctataaac attacaagaa catttttatt ggccttatat gaaaaaggat gtgcaaaaat 420

tttgtgaaca ttgcattgta tgtaaaaagg caaagtctaa agtaaagcct catggattgt 480

ataactcatt gcccattccg gagtattctt ggaatgaatt atccatggaa tttgttttgg 540

ggc 543

<210> 4327
<211> 480
<212> DNA
<213> Glycine max

<400> 4327

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tggatgttgg acacctagtc attaacagga atgacaaact tggttctcca tacaggattt 120

gcttttccaa aattaacaac tttggtgcaa tatttgctat tatgatcaat ccacccaaca 180

gcaaaccatt gacgcttcca aagtgaggtt gaaatctgga gttcatgtgc agatttaaag 240

cttaccttca cccatataat ccccatagaa agtgcaggaa agaaaaaatg agatgttcaa 300

gggatgatgt ctcctgtaag ctttttttata taatggttgg gcagcaaaac gaaatgaacg 360

tttttacctt tcgaatgata ctttactttg aaatcacaat ttttttatac ccaaactccc 420

gttttggtag ggcccacatg gctcatgccc agttgtctaa ttttttcccc ccccccttgt 480

<210> 4328
<211> 575
<212> DNA
<213> Glycine max

<400> 4328

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gatttgccac ttggttatct aaccttggaa aggctccaca aagagaaagc caatattaga 120

aagatgttta cttctaatga atggacctta aacaagttat ctaaggaacc taaggggaaa 180

gaagctgcaa aggtagtgct catgccttct ttttggaata gtgtgattta cactcttaaa 240

gtcatggttt cacttgtcaa agagcttcgt cttgtggatg gggaaaggaa accaatcatg 300

gactattttt atgaagcaat ggacaaagga aaagaaacca ttatcaagtc ttttaataac 360

aatgaaagcc agtacaaaga tgtggttgca atcattggta aaagatggaa ttgtaagctt 420

tatagggcat tgcatggcac tggccacttt ctaaattcaa agttctttta tgacaacatt 480

gaattgggat tttgagtttt aggtcctcaa tgggttggtt gaatggcata aaaaattggt 540

ttcacaattt gatgtgctac aaaaaaattt taact 575

<210> 4329
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4329

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ggtttatgct cctctatcga ccaccacaca aacctttttgc cttctgtgca acaatctgaa 120

gcaattgaac aggctgaagc ttatgctgca aacatctaca acagacctcc tcaacctcac 180

caggacaatc cgccaccaca gaataactat gacctttttca gcaacaagta caatcctgga 240

tggaggagtc atcccaacct tagatggtgc tacccttttac aacactccca ataa 294

<210> 4330

<211> 585
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4330

tataaacttt gttacctgac attttgctct gttctcatct aaacgagtta aagcatgaaa 60

atttttttgca ggaatgttag gagcattctt caagcatatt aatgcactgc atttaaatac 120

acatgaacgt ttgcataaac aggcacaaca tgcaatttca agtttactca taaaaagcca 180

agcttacttt gtattgcaag ggtttcccac tactataact ttgacattgc gggatgcaac 240

ggcatttaaa gctcttccct gttgtacaaa aggtataatg tcattataat taacttcact 300

ttagcagaaa gcaataagta tggtttaaat ttcattatca ttttacctgc gctgcataaa 360

tctgcccatt tatgtctaac aagtctgctc gttccattcc aggtcctcga ggctttgcac 420

ctattagcaa agcccattct gcatcttgga acactttata aggatcgata ccaatactga 480

cctccctcaa caaaggaaac aaagagtnct ccagttccat tgcaacacct gcatgttgaa 540

atataacatt tagaatgaaa agcatcatgt gtggtattta tacct 585

<210> 4331
<211> 491
<212> DNA
<213> Glycine max

<400> 4331

atcttctaga cagtggtttt ataaactctc tacttcatta attgagaatg gtttctctca 60

atcaaagaat gactattctc tttttaccat tggcaaaggt gcttctctgg ttgttctgtt 120

agtctatgta gatgacattt tgcttgctgg cccaagtgct acatgtgttc attctgttca 180

ggccaagctt caagccttgt tcaaactgaa gatccttggt tccttacaat attttctggg 240

cctggaagtt gcaaagtcca gcaagggcat tgttttgact caaagaaaat atgccctttc 300

tcttttagag gatactggtt ttcttggctg caaaccatcc tctcttccaa tggatccaaa 360

tttaaagctc gacatgctca gtggtgattt gctgcccgat ccctcaatgt acaggtgctt 420

acttggtcgt ctcatgtacc tcacttattt aatgcccgga attacatttt ttgttaacaa 480

gctaagccaa t 491

<210> 4332
<211> 478
<212> DNA
<213> Glycine max

<400> 4332

tcaaacttgc aacaaaggag ttgagcaggt aaaaaagatt cgtcttcaaa ctcttagagg 60

tgactttgag cgtttgttta tggaggagtc cgagtcaatt tctgattatt tttctcgagt 120

attggccgta gtcaatcaac ttaaaagaaa tggtgaagat gttgatgagg tgaaagtcat 180

ggaaaaaata cttcgaactt taaatccaag ttttgacttc attgttacca acattgaaga 240

aaacaaggat ttaaagacca tgactattga gcaactaatg ggttccttac aagcatacga 300

agaaaaacaa aagagaaaaa ttaaacaaaa ggaggctacg gagcaactac tacaactcaa 360

cgtaaaggaa gcaaactatg caaattacaa gagccaaaga ggacgaggtc gcggccaaga 420

tcgtggacgt ggaccacgac atggaggaga acgaacacgc ggtttcccca accactcc 478

<210> 4333
<211> 580
<212> DNA
<213> Glycine max

<400> 4333

agcttcaaca atcaatttcg agcgcctcga tattttactg gactcaatca gacatccgag 60

taaaaagtta ttgtcgtttg aatttgctca gtgcttcaac attcaatttc tagcttctga 120

atatattacg ggactcaatc agacatccga gtaaaaagtt atcgtcgttt gaatttggtc 180

agagctttaa cattcaattt agagcgactc gatatattac gggactgaat caaacattcg 240

agtaaaaagc tattgtcatt tgaatttgct ttgagcttca ccattcaatt acgagcgtgt 300

tgatgtatta cgggacttaa tcagacctcc gagcaaaacg ttattgtcgt ttgaattagc 360

tcataggttc aaaatttcat ttccatcgtc tccatttatt tcgggactta atcatacatt 420

ggagtaaaaa agtgtttgcc cattgaattc ttctagagct tgaaaattca gttttggaac 480

ctcttgattt tttaccggac ttaattaaaa catcccggca aaaaggtttt tgtcaatcgg 540

aattagctcc aaactttaaa attccctttt taaggcgttt 580

<210> 4334
<211> 483

<212> DNA
<213> Glycine max

<400> 4334

ttttagtaaa attaaataaa taaataaata tagagcaaat aataagatga gtaccctagg 60

tataaatagt tatgttaagt cagctgcctc ctttttggcc tcattttcgt ttattccttc 120

tcttctcaaa acccttttctt tttttcgcaa cccaccaaac ctatcttaga aaaacgacga 180

tctcgaacct gttcaccgtt ggatcgtcgt gaaatttgag tatcatgttt gcaacccaat 240

tttgaatatt ctcaccgttg ggaatttcaa aatcatatct gagcttagag gaaaaccctt 300

cgcattgtag cattttaatt tcccgcagaa acccaaaact gtctcggtaa aactaggatc 360

ccagtttcgt tagccgttgg attttcatga aatttggata tgttgttcga aattcaattc 420

ctcacacttc cacccgtggg aattgcgaga taatattcgc gaaaggagaa aaaggaatcg 480

cat 483

<210> 4335
<211> 395
<212> DNA
<213> Glycine max

<400> 4335

agcttataca gatgttgact atgcaggatc aataactcat aggagatcca ctttcagata 60

ttgtaccttt ctaggaagaa acttggtaac ttggagaagt aaaaaacaaa atgttgtagc 120

gcgatctaga gctgaagcta aattgcgggc tatggcacaa ggtgtttgtg aattgctttg 180

gttaaaaatc atcttataag acttgaagat taaatgggat gaacctatga agctctactg 240

tgataataag tcagcaatca gcatagccca taatcctgta cagcatgatc aaacaaaaca 300

cattggagtg gatagacatt ttatcgagga aaagttggat aggggtgtga tatgcgttcc 360

atatgtgcct actgaaggta aaaacgcagg ttttt 395

<210> 4336
<211> 711
<212> DNA
<213> Glycine max

<400> 4336

agctttaatg tgtagataaa aggattttgt tgttaagaat tgaattatgc gtgactgtaa 60

tcaaaagtgt tggaaactat aattataggc gataaaaaaa ttgcattaat tatattggta 120

ctaatagtgt ttataatatg tttattttaa ttcacatgta tttgctctaa aaatatataa 180

tcagagtagt caaatactca aatcctgatt tttaaaaggt ttatcttttt tgtttttata 240

cattaaatta ggacttgttt tgtgcaatag ataaacaaag atagaatact ataagattat 300

agaataaagt tgataaactc ccaaggttcg ttttacacat tagtttgatc ttgttgtgga 360

tgcttatata ataatagaag cacattttac ccgttattaa ggcgaaacat tatattttaa 420

tacctttaaa caacaaagcc aatttatatc taatgaatgg gagtaattct taaattggcc 480

ttttaatgat cataggtccc aaattaaaac attcatatat cgctatatta tttttcccaa 540

aaaatttggt taacattagt ttttcaaaag tttgaaactt gtttatcccc aaaaaattaa 600

aacatccctg taaaaaccaa atttcaaaaa ataaaaatat tttttcataa aaaaaataat 660

cgttaatagt tatatagaac ttaattttgt gacagttaag tttaacaaat t 711

<210> 4337
<211> 489
<212> DNA
<213> Glycine max

<400> 4337

tgtttcaaaa aatccattcg gttctgattg gcttgtgaga ggcgggttta aggactaaat 60

cgcatattca ttccttttga attgattcaa ttcattcctt gctttgttca agatccttat 120

tcggagattc atcttcaagt gtagtgtgct tattttgaaa accaatatct tcatttatgt 180

gaatctcacc aattttggct tcacaaacgt gacaacaatt cttgttgaat tcatttttga 240

agcctttgtc acatagttga cttatgctca aaagattatg cttaagtcca tcaacacaca 300

acacattttg tttatttgag tcttgtattg atttccaatg tttccttcac ccataattct 360

tcccttatta ttgtcttcaa aagtgacata tccacctttc cttaacacaa ggtcagtaag 420

tttagacttg tcaccggcaa taagcctaga gcaaccacta tccaagtacc atagtgagtc 480

ttttacttt 489

<210> 4338
<211> 596
<212> DNA
<213> Glycine max

<400> 4338

agcttattca gcgtggtggg ggccagaaat ttttttatg caaatttcat gcagtactgc 60

tacttataat ttgacgtaca gcaaaataat gtggttcagg atgcctggtg atatgatcat 120

gcactcagtg ttagttgtca tcttatctac actgtttcag agctatcaat tccgatagga 180

cagctccata tgcccttgtt ttttccaaaa gttgttttga cgtgtgtaac accaccttat 240

caaacaatgg ccaacataaa gcctccactt gtaaccaaat gagacgtgcc taaatgtatc 300

ctcacatttt tagtgcatta ttcggtattc catacttttg caggcatgct ttggacatgt 360

tttcttcatg ttatgctgga gtacaactgg aaggtatttt ctgactgatg aattataagg 420

caacacagat agatagcaag agatcataga ccattatatt tctgaggttt gacattatac 480

atctgtttta tttcaagcgg attcacacca aaaaattaga taggattatc ttagctacta 540

taacatgcaa cggtaatttt tgataaagtc cttcaaggca acaccatatg cccctg 596

<210> 4339
<211> 401
<212> DNA
<213> Glycine max

<400> 4339

agaatcggac ctcagtgtga agagttatga ccataagaat atctcgggag ctatcgttgg 60

acattttcga gcgtctgtat atgagatgcg cctgaatcgg acatccgagt gaaaagttat 120

gaccattaga atctctcgag agctttcgat ggttaatttt gagcgtctcg atataatata 180

agcctgaatc ggacatcagt gtgaaaacat atgagcatgc taacttctgg agagcgttcg 240

ttgtacattt tttagcgtct atatatgtga tgcgcatgaa ttggacatcc gagttagaac 300

ctatgaccat ttgaatgtct caagagctat cgttgaacag tttcgagcgc ctagatatat 360

cataagcttg aatcagacct cagtgtgaaa acgtatgacc a 401

<210> 4340
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4340

cttgatgagn aaattggaga ggttaatgaa acaacgagat gatgcgctcc atgagaggtt 60

ggatcaaatg gagaatagat atcctaatgg agaagaaagg aggagaagag ggaatgatgg 120

tgttcctaga caaaagcgaa ttgatggtat taaactcaac attcctccct ttaaaggaaa 180

gaatgatccg gaggactact tggagtggga gatgaaaata gagcatgttt tctcgtgcaa 240

caactatgag gaggaccaaa aggtaaagct tgccgccacg gagttttctg actatgctct 300

tgtgtggtgg aacaagctac aaaaggagag agcaagaaat gaagagccaa tggttgatac 360

atgggcagag atgaaaagga tcatgaggaa gcggtatgtg ccgtctagtt actcaa 416

<210> 4341
<211> 333
<212> DNA
<213> Glycine max

<400> 4341

tatacgagac atcttgccca acaaagtccc gttcacgata actcgcctgt gcattttctt 60

ccatgctata tgtagcaaag tgattgatcc agtaatgttt gatgagttgg aaaatgacgc 120

cgcaattata ctgtgccagt tggagatgta ttttcccccc gctttctttg acatcatgat 180

tcacttcgat gtgcatctgg tcagagacat cacatgctgt ggtcctgttt atctacggtg 240

gatgtacccg gttgagcgat acatgaagat ctttaaacgg tatacaaaga atctatatcg 300

ttccgaagca tctattgttg agaggtacat tgc 333

<210> 4342
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4342

agctgttttc tctgtacacc tacattccta tacacgaaaa acttttttcta tatacacacg 60

cgttgaaaaa ctctttctct ttatatcgac atggtctata taaaaccttt attccttttc 120

aaagatttct ttttcctttt tcaacataca ctcattgttt atacaaaaat tttctttata 180

tacactcatt gctcacacac aagaatttct tttcacacat tgtttataca caaaaaaaac 240

ttttcataca ttnttttttat atacaaaaac tcttttcttt tctttatata cagatatggc 300

attntgttca caatgcctct ttctttttct attctcgggg tatcacgacg ttggtcattt 360

atttaggacg acgtcctaaa tgaaactcta cacggttccg aatttaacaa catatcgaca 420

taacaagta 429

<210> 4343
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4343

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atcaaagcct cttggagctt actgaaggaa gatgtcaaaa gatttcttac gaagtttcat 120

gttaatggtg tgttccctag aggtcgcaat gcatcattca tcaccttgat acctaagatt 180

gaggatccac aaaatctggg ggaatttacg tccatttcac tggtaggatg tatgtataag 240

atccttgcta aaatccttgc atgaagacta aaaggtgctt tggtagtgtg attgacaaaa 300

cgcaaatcgc cttcttggaa gggagaaact tacttcttgg agtcttggtg gcaaatgaac 360

tagttgataa ggcaagaaga acggaaaaga agtgcttagt tnttaaagtt gactatgaga 420

a 421

<210> 4344
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4344

atctatacaa aggaatttat atggtgcagc ctccaagact ccattaagat tccttgggtg 60

aggtgggaca tagtctgcct acctaagagt aaaggtgggt tatggatcaa agatttgatt 120

aaattcaatg acgctttgct tgctaaatgg gggtaggagt tggcaaataa tcagaatcag 180

tggtgggcca aaattctatt gtctagatat ggtggttgga gggatttgat ttctgatagg 240

aactgcagtt tatactctcc ttggtggaaa gacctcaagg ttatcttcaa gcagcagcaa 300

agcaacacaa ttngcaaaaa tagctgtatt tacgccatac gtaacgacgg tccatggaat 360

acaaaccaag tactcattgg cttgacaaca aaggagacac tcattggaaa tatatatg 418

<210> 4345
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4345

acaatgtcat gtgataaatg atctaataaa aacatgagaa caaatcaatt nttttctaaa 60

tttaggaaaa aaaaaattaa acccaaaaaa taaaaatatt aaaaaagtat ttaatcttat 120

gtttatatat aattatttac aaaaaatgta taattgatgg ttaagataag catgacaatg 180

aagcaccacg agattgtatg ttattnttta tacttgtttc ctagcatcgt ctccatcccc 240

cgtcctttgt tcccaatgag gataataaac aaatataaga gagagagagt ataaatactc 300

ataacaataa tagttaccat agatacttac ataacatgat tataactgtg tagagcttat 360

ttaatgagaa ccaagactaa tatgattaag atatataata tattgtataa aataacacta 420

tctatttagc tttgatatat ctat 444

<210> 4346
<211> 432
<212> DNA
<213> Glycine max

<400> 4346

cttcattctc cacttttatt cggagcccca tgaattcata gccaagcgct gttcatgcat 60

cctccaccaa cgagtcagga ggctcgcgaa ttgattgcca agcgctgttc gccagttctc 120

cattctccac tttaattctg agccccatga atttattgcc tagcgctttt catgtgtcct 180

ccaccttcga gtctggagcc ccgcgaattg attgcctggc gctgttcgcc aattctccat 240

tctccacttt tattctgagc cccatgaata cattgcctag gactgttcat gcatcctcca 300

ccaacgagtc tggaggcctc gcgaattgat gcctagcgct gttccccagt tctccattct 360

ccacttttat tcggagcccc atgaatatat tgcctagcgc tgttcatgtg tcctccacct 420

tcgagtctgg ag 432

<210> 4347
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4347

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gggttggttt acaaccctca tgttccatta tataacatac accatataga atcaataatg 120

gacataacaa tatacataat agtttttcat agaggtctta gccttcacaa tacaaacata 180

gaatatgtca tacaacatcc atattagaat cattgatttc atctcattat gacactaaga 240

tcatcagcta acatcatgat attcattgga ctcatacacc actccttaga atcatacaaa 300

taaagaaatt atttctattc catcaaccac acatacaata tatcatatta ccacacaaaa 360

gaatcataag aataattcat agctctacta cacgtcatac gttatagagc catgtacttc 420

aagtaataaa taatcatgga ccacttnacc cataattatc at 462

<210> 4348
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4348

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tacatccacc aggagaatat tgttgcggaa ggcaactgca gtgctgtaat acagagaatt 120

cttccaccaa aacataaaga ccctggaagt gttactattc cttgttcaat cggtgaagtc 180

actgtgggaa aggctctcat tgatttggga gcaagtatca acctaatgcc gctctccatg 240

tgcagaaggt tgggagagtt ggaaatcatg cccacacgaa tgactntact acttgctgac 300

cgatccatca caagacctca cggngtaatt aaggatgttc tgataagagt gaaactacgg 360

tctttccagc tgattttgtg gtcatggatg tggaggaaga ccatgangtt ctagtcattt 420

ttggacatcc ctttatgtc 439

<210> 4349
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4349

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cacatatttt atcaatagca acataaaaaa tctctgcacg gtaatgatga agattagtga 120

tagtcctccc ttctgctctt gaacgacccc gaactggtat ttcgtcatcc atatttggta 180

ccagaatact tttagcaaca caaaatcctt ggacatcggc aaaaaaatta ttccagccac 240

tctctctcat tgtgcccaac cgagctntga caacatcaac taattccatg acattcacaa 300

tattaagatc ttttctttgc aatatattng aaagctcatt tgtttcctat gacctggatc 360

acgcacaatc tcatttgggt aaactcataa ccaca 395

<210> 4350
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4350

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gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120

atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240

gaaagaatga cagacgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaatatgag agtggatgaa 360

ctcattggtt cccttcaaac ctttgagcta ngactctncg atagggctga aaagaagagc 420

aagaatctgg cgttcgtgtc caatgat 447

<210> 4351
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4351

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catgcacagc ggccaaagat gcatgggaga tcctgaaaac cactcatgaa ggaacctcca 120

aagtgaagat gtccacattg caactattgg ctacaaaatt cgaaaatctg aagatgaaag 180

aggaagagtg tattcatgac ttccacatga acattcttga aattgccaat gctcgcactg 240

ccttgggaga aagaatgaca gatgaaaagc tggtgagaaa gatcctcaga tccttgccta 300

agagatttga catgaaagtc actgcagtag aggaggccca agacatttgc aacatgagag 360

tggatgaact catnggttcc cttcaaacct ttgagctagg actctcggat agggctgaaa 420

agaagagcaa gaacttggcg ttcgtgttca atgatg 456

<210> 4352
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4352

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actaactcat ctgacatcat tttccaataa tggtcgattg gaatgtccat ttgtttttgt 120

actctggctg attgcaaatg tatttcgacc ggaagtacag catcgtgccc ataagtcagt 180

cgaaatgggg tagtattagt tgattcctta ggagaatttc tacatgccca tagaacttga 240

tctaacgttt tattccaatt tcttggcttt tgggcaatgt gtttttaat caagttaatt 300

acaatcttat tggctgcttc gacctgacca cttgcttgcg cgtaatatgg tgttgaggtt 360

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ccttgat 427

<210> 4353
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4353

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ctntgcgaga catcttgccc aacaaagtca ggttaaccat aactcaactg tgctttttct 120

ttcatgccat atgtagcaaa gtccttgatc ctgtcaagtt tgatgagctg gaaaataatg 180

ccacaattat actgtgccag ttggagatat aatttcgccc tgctttcttt gacatcatga 240

ctcacttgat tgtgcatctg gtcaaagaaa tcgaatgtcg tggtcttggt tatttgcggt 300

ggatgtaccc gcgtgagtga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360

gtctagaagc atctattgtt gagaggtaca ttgc 394

<210> 4354
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4354

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ataatttgag acgctcaaaa ttgaatgcag gagctcttac caaattcaaa tgccaataac 120

tttttactcg gatgtccgat tgagtcccgt aatatatcta gatgctcaaa attgaaaaca 180

gaagctctga gcaaattcaa acgacaatag cttttgactc ggatatccga ttgagtcatt 240

taataattcg agacgctcaa aattgaatac agaatctcta agcaaattca aatgacaata 300

acttttgaat cgtatgtccg attgagtcat tttaataatt gagacgctca aaattgaatg 360

<210> 4355
<211> 392
<212> DNA
<213> Glycine max

<400> 4355

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aatctgtacc tgtcgcaagg gtttgtggtt tgtgctactt tgctgaccac catacagacc 120

tttgcccttt catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctacaaata 180

tttacaatag accttctcaa cctcagcagt gaaatcaacc acaacagaac aattatgacc 240

tttccagcaa cagatacaac cctggatgga ggaatcaccc taacctcaga tggtccagcc 300

ctcagcaaca acagcagtct gctcctttct tccaaaatgc tgctggccca agcagaccat 360

acattccttc accaatccaa caacagcaac aa 392

<210> 4356
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4356

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cttccattat cagagtaatc gagcacagcg gaatctgtag tttagacaag ttgcaagtcg 120

tttccaggat gtcaagacat ctcacatgac atctgctttc tgcttctgct ccccctgtct 180

ccatgcttac tgcagcatct tctaacagct actagtcttc tccaggatgt caagacatct 240

cctgtgacat cagctatctg ctccccctgt ctccatgctc ttactgcagc atcttctagt 300

agctatcatc agtcatcatc agcagcagca gtctccctct canaatcgta tacacacaac 360

tcccncttca aatcatgaat catgcataca tcgtatccta ctactatggc atacatagta 420

tctt 424

<210> 4357
<211> 321
<212> DNA
<213> Glycine max

<400> 4357

aatccatata atgtgcacac cactggacat gcccaatagt accatctcca ccacaagggg 60

atgctgtgtt gaaaatggaa tataacaagt aacataaata aatatacata cattgaaatc 120

atgcatgtaa tgtgggcgca acaacttaca ggtcttacta caataaatcc tgagaacaga 180

ttccaaattg cataaaatac agcatccaca atggaaacaa catggtggtt tgggttcact 240

cccacaacca tcatgctgta taaggtgaag tacaacaatg tgaagtacat gaaaaataga 300

taccaaaaga atttctgtac a 321

<210> 4358
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4358

taattgcttc tgctctttaa cagttatccc aagtaccata ttcaggcatt gtaacttgta 60

tccgcaagtg aattggatgc agattgtgta ttgtggttaa gtctgtcaac tagtcacagg 120

tttttattca atcaaataga gctggagtct cttgatgttc atgtaggcca atcctactta 180

gttcttgtca caacaaacca aaatattgct gattactaca tagtagcctc tcctaaactg 240

agtaatgcca caaataataa cactcttgtt ggtgttgttg tgcttcatta tgacaactct 300

accacaccgg ctattgggtc tcttccaagt ggtccagatc catttgatat gcaattctcc 360

atcaaccaag aaaaatccat tangtaattg catttcacaa aatggtgctc tgtatgccaa 420

agaagagttt ttccaatatt ctttctttgc ttgcttaatg tcaacat 467

<210> 4359
<211> 281
<212> DNA
<213> Glycine max

<400> 4359

tctattgtca gattgagaat gccgctaccc gcacctgtgt ccatgattgt cttcatgcct 60

cttacgtgct gatgtccaaa tctacgatgc cgtattctga ctttatctta tccttgaaat 120

tgacctgtgg aggacgtgct ggcttcttga tgtgaccata agatacagtt gttcttcgat 180

ctggtgccct tcattaagac tacactctgc tcctttgtca cccaacatac tcactctggg 240

aagagtacag tgaatgcttg ataagacaac tgactgatgc t 281

<210> 4360
<211> 410
<212> DNA
<213> Glycine max

<400> 4360

atgataccga gaaagaaaga ctaatttact tcatgaaagg tagaaataga atgctagtga 60

accggctgac aaacaaacca aattttattg acaatgcgta accatgctct cttccaacta 120

aatttgcaag agcaccagtg acaaagctct caatgaatga tatagctatt gctagaatta 180

atgtctcatg tgagagatat gtgacttatg taaggactaa taaataaata attaacgatt 240

aagggctaaa ttgtaattgg gcttaatagg agaagcttct aggttaactg ctacttgatg 300

ggagtagtgg ttataaaatg ggcttaatac ccactaacgt gaaataaggt cctcttcctg 360

accagaaagt gttctctctc actcatagcc atcacgaaca gagagagaca 410

<210> 4361
<211> 288
<212> DNA
<213> Glycine max

<400> 4361

tacatgatgc gcctaaacag gacatctcgt ttattggtta tgacaatttg aattgctcta 60

gagattccat tgttcaattt cgagcgtctc gatatattat gaatttgaat ctgaccgtcc 120

gagttcaaag ttatgaccat gtgaatttcc tgagagcttc cgttgttcaa tgtcgagcgt 180

atggatatat gattcgccag agtctgcact ccgagtgata agttatgacc atgtgaatct 240

ctccagagat ttcgatgttc aatttcgagc gtctcgatat attatgcg 288

<210> 4362
<211> 341
<212> DNA
<213> Glycine max

<400> 4362

gaatagatcc ttgccctctg atcgctggca tgagagccgt ggttctggcc atgactctag 60

aaaggagaat aagaggtcat caagatggcg tcctgaagat aaagagaagg attctgcgtc 120

tgagataaga catgatgttg agaacgaaga tggtcacact gaaaaacctt ctcctggagt 180

tgggaatcgc atggtgcctg atcgtgacac tgattctcgt gataaatgga ggccgcgaca 240

tctattggaa gctcaagctg ctggtgtggc cacataccga gctgcacctg tatttgggct 300

gcagaaagga cgcaccgaat gctccaatgt gctgatttca c 341

<210> 4363
<211> 420
<212> DNA
<213> Glycine max

<400> 4363

catgcaagct tgtacatatt gcccaatgga taaaaaaata aaaaggaatt ttataaaatc 60

tcttaccttt ctatgggata cattcgttga tatgaacaag aactctaagc tttacctttt 120

ccacgagatg aacaaccaaa tgaaacatga cagtgaagaa taaaggagga aatatcattt 180

ccatgtggta taaagtgaga acaacttgga tttgtaatta gtctaaattc ttaactttca 240

ataatttaac cacatatttt tttaaagaat gagcataact caattaatac tgttgaaacc 300

tcatctgaca atgtagatca catggctaat ggtagcacat gccataccaa tatgtgacaa 360

ttgtgactct tcaacgttcc agtcaacttt agattttctg agtcgataca ccaagaaatg 420

<210> 4364
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4364

ngacattatt cagttagtgg tgtttaagca aatataatga ataagtgaag gaagtataat 60

tatgtttgcc atcatttcat tatattttcg aattgtggtt gtgtttgtat aattatataa 120

taatatcatt tgttgtatat tttataaaca cgtgcctttt aagccgacgc ctatggttgg 180

ttttttttatg gatatcatca tattaacttt tcatttttaa gtttgattag ttgtacgatg 240

tggcatactt tttaattatt aaaaaagtta gttattttat gagattgatg tagagagcaa 300

atattttaat cccagggttg ttattgttgt gagtgagaag acatatatca tcttatatat 360

aaattaatat ttttaatatt attaactgtt tacatcatgg tttaattagc acaaataatt 420

aaaataaaaa tttgaattat aacaactc 448

<210> 4365
<211> 457
<212> DNA
<213> Glycine max

<400> 4365

ctcattgtca tttttgggtt tctgtttatt gctcgtctct ctgtgttctt gtttgtgagt 60

tgccatatag ggaattggaa aggaggattg gtgccatccc ttgaagaatt tgagtcaaga 120

agaaagggga aaaccacctt aagagctatt ggactaagaa gcactccaaa ttgagtgaat 180

cgccaaagag agaacaacct ccaaaattga gaaccttatt gctatttcgt aattgacaat 240

atacttactt tcattgcttt caaattctgt aacaaacagg cctttcattg gaagtaagat 300

aagagcctcc aatagatgac cctacttgca tttgtgtgtg ataatgttag gcaattttcc 360

cttaagattg tgagtgtttt gctgggaacg ttaaatgtgg tcttccaaac actctgaaga 420

tgcacctagc ttacattgtt tgcttacttt catagtt 457

<210> 4366
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4366

agctttagcc aaactgtaca acttggcaat aataccacaa tggctgttgt gggaaaaggt 60

ataattcgta tgccagtgaa tggatttatt cacgcaattt ctggtgtcta ttatgttcct 120

gaacttaaaa ataatctatt gagcataggg caacttcaag aaaaaagctt aactattttg 180

attcaacatg ggaagtgtag ggtatatcat tccgagaaag gattaattat gcagtcagat 240

atgagtggaa atagaatgtt ttctgtgttg gctaccatga taccaaaagc ttcttcgtgt 300

ttccaaattg tatcagaaaa tgaatctcat ctttggcatt gccggttngg tcacttangc 360

tataacggat tgaggacac 379

<210> 4367
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4367

catgcaactt gccgatccaa tttgtgaact gacatttttt atcaaaatta cataattata 60

atacttaaca gatgataagt aaaattaatc atatttttt catttgtaaa aaattaaact 120

cacatattaa agatnacaat tttcaataca gcgttcaatt aataaagtta aacccgttaa 180

tgataattaa gtgtagatag aatgatttca tatatttatt ctgtcaaaaa gtttttatga 240

atataaaaat ctataacata aggattatgt ttcacacaac ttttttctct cttaagatgt 300

tttcatactt ttttactact taaaaatgat attacttttt ctattcaaac aaaattaatg 360

aactccagac cacttttaa caaacttact ccgacaattt tgttttaatt ataatctatt 420

ataacaataa tatctcatta tacatataat t 451

<210> 4368
<211> 445
<212> DNA
<213> Glycine max

<400> 4368

cgtgtgtttt agcgatactc accacaattg tgtaacatat tctccacatc aagttgatca 60

tgtcctagaa gatccagttg aacaacatca aacacaaaat gttgagcaac tttttgaaca 120

acatcaaaca caagatgttg aacaacctgt tgaacaacaa ccaaaaggtg tggatgtaac 180

attgagaaga tcaactagaa taaagaaacc tgtaattcct agtgattatc atgtgtattc 240

acaagagtct caatatgact ttggagttga aaatgatcct gagtcatttt tgcaagcaat 300

taacagttgc gattctaagc tatggtatga tgctatgaaa gatgaattgg aatctatggt 360

aaataataaa gtatgggatc ttgtagagtt tcctaatggg ataaagccta ttggatgtaa 420

atgggttttc aaaaccaaga acgat 445

<210> 4369
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4369

agacttgatc taccaccacc gtcgccatca tcatcttagt tntctattat tcttaatatt 60

actagtactt tgttttctag ccgagtattt ggctatatta tgacatttga acaatttagt 120

gatgcaatcc tccctaggaa gggaccaatc actagaacca tgagcaagag gcttcaagaa 180

gattgggcta aagctgctga agaacgccct acggttctca tgaaccttac gataaatntc 240

tgagcccatg ggccaatgtt gggtccaatt atctttgtac atattagact acgatgtcat 300

tatatttggt ccttgtattt agggctccat atcgtacgta gggtaccct 349

<210> 4370
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4370

gacctataaa tctcagcttt attggcagga atgaagaaag acgttcgcaa gtacattcgg 60

gtttgccaca tttgtcagca aaataaaacc actaccaagc gtccggcggg gttattacag 120

ccattaccag tgccggcggg ggtatgggaa gatatctcca tggatttcgt tactcattta 180

ccttcatcca atggctatac cgttatcatg gatgtagttg accgttactc caaggaggtg 240

cacttcggcg ccttacccac ggtgttttcc gccttcaagg ttgccacgct ctttatcgac 300

gttgtttgca agcaccatgg atttcccaag agcatcatct ccgacaggga tccagttttc 360

ttgagtgctt tctggagaga attatttcga ctcagtggca cgcacctncg cctctgcaca 420

acgtaccatc cacaaacgga c 441

<210> 4371
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4371

tagactgagt tcagcctact atcttcagac tgatggccaa actgatcgaa ccattcagtc 60

attggaggac cttttaagag catgtatctt agagcagaag ggaagctggg agagttttct 120

tccattgata gagttcactt ataacaatag ttttcattct accgtcggca tggctcccta 180

tgaagctttg tatggtagaa ggtgtaggac acccctatgt tggttagagc ccggagaagg 240

cctcaccttа tgaccgaaag tggtacaaca aaccaccgag aaagttatgt taatccagga 300

aaggatgagg actgctaaga gtangcagaa aagttatcat gataagagga ggaaagatct 360

ggaattcgag gttggtgatc atgtattctt gagagtcact ccatggactg gggttggtcg 420

agcatttgaa atccgaanac tcaca 445

<210> 4372
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4372

ctatcttacc cctacagaag catctaagag ctgcttagat tgtgttctca actcgtaaac 60

gaaaatattc tgctgtatgg gctcagagaa tccatgagta ggagttttcc acagcaagct 120

acagaatctt tctagtgctt cactcaaaga ttcatctggg aattggtgaa aggaagagat 180

ggcagccttt caactgggaa atatttcttc agaaactttt ccacaacttc atcccaagtc 240

ctcaagctat tacctttgaa tgaatgcagc cacctcttgg cttctccaga tagtgagaat 300

gaaaataagc tgagcctaac aacatcttct ggcactccag caattcttac tgtgttacaa 360

atttcaatgt aagttgctag atgtgcataa ggatcttcat tggngcagcc atgaaattga 420

tttcctctga tatgctgaat caaagaatgt ggatatgtga tattctga 468

<210> 4373
<211> 305
<212> DNA
<213> Glycine max

<400> 4373

catgaaaact actcacctcg gtcacagact tacgcgtacg ccattcttga atagacctaa 60

ccttctcctc atcaacttgc actccttttg aactcacaac aaaaccaaga aacacaacat 120

ggttagtaca aaagatgcat ttttcaagat tggcatacaa ttgttcttct ctaagcacag 180

tcaagacaga ttttaaatga tcaatatgca aatcaagtgc agtgctatag ataagaatat 240

catcaaagta caccacaaca aactgtccta tgaactctct caagatatgg atcattagtc 300

tcatg 305

<210> 4374
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4374

tgtaatcgat tacgcaaggc ttataatcga ttaccagaag ttttttaaac tttntataac 60

atcctttaga aatttgaatt taaattttaa agcttgcaat caattacaac ttgtgtgtaa 120

tcgattacca gacatgaaaa ttcaaatttc aaatctgaag agtcacaact cttcagaaac 180

taactgtgta atcgattaca acaattatgt aatcaattac cagtaaggaa ttttcgaaaa 240

taactcccaa gagtcacaac tgttcaagaa gtttttgaat ggctatcaaa ggtctataaa 300

taggtgactt gngacatgaa attttgaaaa agagaatttt cctgaacaaa tngtcttatc 360

ctctcaatac caaattgtct tataactctc aaaaagaatt ccttggtcaa aacacttgca 420

aatntaataa ggaatctnga gtgatcttca attngtatat ttttcttctt aa 472

<210> 4375
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4375

agcttggtga tccaggatct tacagacgac tcgttggaag gctttggtac ttaactatat 60

ctacgtcaga tatatgttat tgtgtgcaca aattaagtca gtttgtcttc aacccctata 120

cgaaccacat gcatgctact aacatgttac ttcggtacct taagcacact gttattcaag 180

gtattctttt taaggccaac ttagacacaa aattacatgc atatgtggat gcaaattaag 240

gatcatgtnc tgaaagtana agatcaacca ctggcttctg tatcttctta ggaaattcct 300

tggtttctag aaagccaaaa gacaaaagac agtaagtatg tcctcagcag aagcataata 360

cacgtccttg gcttttgttt ctangtgaaa tactcggatt cgaaattact tactaatttc 420

aatattagaa ttccttttgt actatcta 448

<210> 4376
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4376

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atattttgag agattccgtt gttcaatttt gagcgtctcg atatattatg cgcctgaatt 120

tgacttgcct gtgaaaggtt atgaccattt gaatttctca agagcttccg ttattcaatt 180

tcgaacttct ctatatgtga tgcgcctaaa tcagacatcc ggggtaaaag ttatgacaat 240

ttgaatatct canaagcttc ggtagttcaa tttcgagcat ctcgatatat tatgcgcctg 300

aatctgacat ccgtgtaaaa agttatgacc attttagttt atcgggagct tccgtttttc 360

aattntgagc gtctctatat gtgatgcgcc tgaatcggac atccgagtta aatgctatta 420

ccatttgaat ttctcgagtg cttccg 446

<210> 4377
<211> 423
<212> DNA
<213> Glycine max

<400> 4377

tcttatccag gcaattcttg gtggtgaaac tccttctttc ttggcttatt ccctagtgga 60

tggtgcctcc cctctcctct tctcctttgc cttccgctgc atctccatgg tgaaaaatca 120

aatttgaagg accttattga agctcaaaga tccagcctcc atagaagccc cacaagcaag 180

cttccatcag aaaccaagaa gaacacacaa aaataaaaga aaatgcggcg acatcctaaa 240

ttgccccaga ttctaagcat agtatcgctt gacagcatca gagttcacgg gtaaaggtag 300

ttcctcgcca tccatgttgg taagtaccaa ggctcctccg gtaaaagcct tttttacaac 360

gaaaggccct ttgtagttcg gggcccactt ccctcgattg tccttgacag catgggacat 420

ctt 423

<210> 4378
<211> 387
<212> DNA
<213> Glycine max

<400> 4378

tgatgtttgt gttgaatgcc ttaaaggtaa acaggccaaa agcaagaaat taggtgcata 60

tagagctaca gacgtcttgg aattgataca tacagacatc tgtgggccat ttcatacacc 120

ttcatggaat ggtcaacagt attttatatc atttatagac gattactcta gatatgcata 180

cttgtttctt atacatgaaa agtcacaatc tctagatatg ttcaaaacat ttaaagttga 240

agttgaaaac caactcaaca aaagaataaa gtgtgtttga ccatggtggt gaatactatg 300

gcagatacga cggttcaggt gaacaacgtc tggtggcctt tgccaagtac ctagaggaat 360

gtggaatcgt cccacaatac accatgc 387

<210> 4379
<211> 468
<212> DNA
<213> Glycine max

<400> 4379

tcattaagag gcttcctcca gaagcttcct cgtggcttct ttgagaagct ttctcaagag 60

gcttctttga gaagctagat ccttatctat ccacacccct ctattaacta aattaacttc 120

cttaaaaata attacggatg aaaataacgc aacaaatatt caaacatcaa acataattac 180

taatagtata tagatatata tatatcaggg tgttacaact ctcccaccct tttagaaatt 240

tcgtcctcga aatttacctt actcaaacaa ggatgggtga gcttctcaca tctgactttc 300

taattcccat gtggcatctt ctcctgatgc acctccccag atcaccttga ccaacagaat 360

ctctttccct cttaggtgtt ttgtttgcct atcctcgatc ctcaaatgca atgtttcata 420

tgtcaaattc tccttcactt gtacataatc caattcaatc acatggga 468

<210> 4380
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4380

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gaactatatg catcaattaa ggtacttttg gcctatatta ccatgtcaat gccagcagaa 120

actcctgctt caattgaata agtgaagttt gcgtgaggtg gtaaagtgat cctatcaata 180

ccctcaaaat ctgaaataac aaagccctgg tgtaatcaac gaagaggtaa ggggttattt 240

aaaatagtgt tcataggatg ataaacagat tcaatgctat attcgacaaa gtattttacc 300

ttgaaatgga gagtattctt gaggtagcca gtaataaggt cattgatagc atgcattttt 360

actccattcc aactggagta agagaccata atggatgcca cacccttgct gattgag 417

<210> 4381
<211> 445
<212> DNA
<213> Glycine max

<400> 4381

agctttgttg gctttaccag aattatatta tataaattaa atttatagtt ttattgacaa 60

ttaatcatat cttaattttt attctatttc ttataactct tttattagct tctactatat 120

atagagagag aggtaattat actagaatga gagttgaata atatgttact cacattatta 180

aatcttttcc aatgacagat ttttattaaa taaacaagtt tatttaacaa cttttgtcta 240

gtgactaaga taagttttct taagtacagg tgaattggtg tccaatgata tataaaattt 300

attcttcaat gaacatcttg tgtttagaat gtattaataa taaactttga aataatttaa 360

taagctaaag agaaatggta aaaatacctc attttatact ggatcaggca atctgagtta 420

cgttcaattc tgcgccacca actag 445

<210> 4382
<211> 529

<212> DNA
<213> Glycine max

<400> 4382

agcttgacag ctgggaactt atgaggaaat acttatttgg gattcaatcc cctaatgaaa 60

catctagtaa tttatttatt taacaaaaat tccgatatct atcccaaata gatcatttta 120

atcgggtgaa gaacattcat aaaatgatga acttaaattt tcatcattac agtttttact 180

acacctaaaa tttggactta aaatcttatt taaagaaact aatcacccct ttcgtgttgt 240

aatattattt aaacaaatct agcatcatat ataactcgaa caagccttat attatttata 300

acacatcata tatcacatag tttaaataaa ggccaataat tattttcgtc cctaaatgtt 360

taaagcatta ataaaattta ttcttgaaag ataaaaattc aaattttagt tctcaaaagt 420

gaaaaagtgt aaccaattca tatattcgct aaccttcaat gaaagaaccc tgtatgacat 480

atccagaaac caacttgttc cccattatac ggccagacaa aatgactat 529

<210> 4383
<211> 620
<212> DNA
<213> Glycine max

<400> 4383

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tggcatcatt tctggcgcta aactgctggg agttggaggc catcttctca attaaatttt 120

tggcttcagc aagagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatttgat 240

ggtgggggca actagcacat agtttcttaa atctctccca gtactcatac aggctctctc 300

cactgagttg tctaatacct gagatatcct tcctgatggc tgtggtcctg gaagcaagga 360

attttttttc taagaatact ctcttaaggt catcccaact cgtgatggac cttggagcaa 420

ggtaatacag ccagtccttt gccactccct ctaatgaatg aggaaaagcc ttcataaata 480

tgtgatcctc ttggacatct gggggtttca tggtggagca gacaatgtga aattctttta 540

aatgtttgtg cgggtcttca cctgcaaggc catgaacttt ggaagcaaat gaatcagtcc 600

cattttaaga acatatggga 620

<210> 4384
<211> 542
<212> DNA
<213> Glycine max

<400> 4384

tgccgcatta caccaagttg ctgaagggcc ggttgttgtc taagttgctg agccacataa 60

cggagacggg gtattccctc ttgctcccca aggcttcttt gtgtcacttg aatgtggcca 120

ctgatggcat cacgcaaaca ccgaaagtgg ggagaaattg ttcttaaagc aagtgtagga 180

tatggttctg ctgctccaca cccggcaacc atgtcaaaag atgacaccac aatctgcatc 240

tgatggcagt actggctgga tcttttatct acctataacc agtggaaaca aggaatcttt 300

tatggagtcc gccattggcc gacactatca tgaattcata actaactgct ttttcaatag 360

ttaaacacac cgttcaaact atgggagcaa caaatgaatt ctacaaacat tatagatata 420

actgtagagc aatattatgc cctcttaatt aatcgtcatt caaatagaat taagaacgtc 480

taaactgtgt gaacatccac tatataatta atggctttat ggtggtgcac cagttcaatc 540

tg 542

<210> 4385
<211> 564
<212> DNA
<213> Glycine max

<400> 4385

agcttgtaat cgattacaca tatactgtaa tcgattacca cagaagattt tcagaaaaat 60

attctcaaca gtcacatgtt tttacttggt tcttgaatgg ccatcaaaag cttatatata 120

tgtgacttga gacacgaatt tgctaagaga ttttcagaac aaaaaggtct tatcctctta 180

aaaagcaaaa tcgttttatc ctcttacaaa ttccttggct aaaacacttg tgattcagta 240

aggaattatt tgagtgctca aattgttcaa tctatctctt tcaagagaga tttcttcttt 300

tcttcttctt cattctgaaa agggattaag agaccgaggg tctcttgttg tgaaagaatt 360

ctaaacacaa aggaagggtt gtccttgtgt gtttagaact tgtaaaagga atttacaaga 420

tagtggaact cttaagccga ttgcttgggg actggacata cgcacaacgg tgtggcccaa 480

ccagtataaa tctgagtttg cattttctct tcccttacac ccccttaatt attattgctt 540

tatattcata ttcaaattgt tcta 564

<210> 4386
<211> 521
<212> DNA
<213> Glycine max

<400> 4386

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tatattcatc aggaaaacat catagtggaa ggaaactgca gtgctgtgat ccaaaagatc 120

cttccaccca agcataaaga tcctgggagt gtaactattc cttgttcaat tagagaagtc 180

aatgtgggaa aagctcttat tgacctggga actagtatca atttgatgcc actatccatg 240

tgcagaagat tgggagagtt ggaaataatg cccactcgaa tgacttttca attagttgcc 300

cgctccatta ccaggccgta tggagtaatt gaagatgtgt tggtcagaat aaaacatttt 360

atcttcctgg cagactttgt ggtaatggga tatctctgaa gatactgaca tacctgtaat 420

attgggaagg ccattcatgt tgaccgcaag ctacataatt gatatgggga aaaagaagct 480

ggagctaagt tttgaagatc agaaaattga atttgatttg t 521

<210> 4387
<211> 451
<212> DNA
<213> Glycine max

<400> 4387

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ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120

tattgtgagt agcattttaa aagacgcctc tgttcctgaa gctgatgaag atgttccaac 180

atcttccacc ccgaatgttt ctgtgcctga tgttgagaaa gatgttccaa catcttccgg 240

cccaaatgct gaagccctcc cttcacccag tgaagaggaa tcaacagaag aagaggatca 300

agcctcagag gagacccctg caccaagggc accagaatct gctccaggta acctcattga 360

cttggaagaa gtcgaatctg atgaagaacc cattgccaac aggttggcac ctggcattgc 420

ggaaagactt caaaacagaa agggaaaaac c 451

<210> 4388
<211> 430

<212> DNA
<213> Glycine max

<400> 4388

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ttactttgtg tcattcattg atgaatttac tagaaaaatg tggatctatc tcattatgca 120

aaaaagtgaa gtgtttaaca tttttaagaa gtttaagtta ttgagtgaaa aacaaagtga 180

taaggtaatc aaagggctta gaacaaatgg aggtggtgag tataactcac atgaatttca 240

agtattttat gatgaagatg ggataattca tgaagtgaca tcttcctata cacctcagca 300

taatggtgtt gctgagagaa gaaacataac cattctgaac atagccagga gcatgatgaa 360

agggaaggga atacctcatt acttttgggg agaagcaact tctactgcta tgtatattct 420

gaacaagtgt 430

<210> 4389
<211> 470
<212> DNA
<213> Glycine max

<400> 4389

tgtaaccttt ggttccttga agatgtctta acactttctt tgcaactttc tggggctcca 60

aaacttgccc aaatatgctc accaattcta cttgaagtta ttgatgaact cctcttgtat 120

acatataatg gcttgtttgt aagtatgtag caaagttgag aggagcacca caagatacgc 180

cactgtttga aatctcatcg tttacatgat cgtaatcaac atcaatgtta ccattgtatg 240

tatcttggtc atcttcaaca atcatgttat gcaatataat gcatgccaat ataatatttt 300

tcattgtatc gatgtgtcaa ttatgcgaag gaccacatgt aattgcaaat caaaatttta 360

acacattaaa tgctctctcc acatcctttc tcgccgaatc ttgatatttt gcaaaaaact 420

ttcctttatt ttctctccct ggggcatggg gatggttttt acaaagcgac 470

<210> 4390
<211> 429
<212> DNA
<213> Glycine max

<400> 4390

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gactgagaat aattgcactg tgtgccttct gcaatagtgt tttcttattc ccatcagcca 120

tcatcttttc gagtttgact tctccatcaa gtgcttccac caggccctgt tgaacaagaa 180

gagctctcat cttcaatcgc catagcccga aatcattatg tcctgtgaat ttttcaacct 240

catacttggc cgagctcatt tcttgaatca aactcaaaaa tcgctccacg ttcaccgcac 300

caatttgttg tgccaagatc atattttact tcacaaaaga atgagtttct tgtatgaaca 360

agaacaagca aaatgcatgt taaatacaag ttttgaaatt tacttgaaat tttgaaatca 420

aagcaattc 429

<210> 4391
<211> 322
<212> DNA
<213> Glycine max

<400> 4391

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caagggatta attaactgga agtgagtcaa cacttgacac tcattctgag agagcttatt 120

agatcttttg aatgttatga cgattatcaa tgttgccctt gctgcaaagt atacagaagc 180

gtgaagattg aagaatccaa attcatatat tggatggaat atgcacatag tatgtgggga 240

acggcactag gagggatgtt tgctttgcca tattcatacc tccttcataa ggggtatatt 300

accttgagat tgggactgat ac 322

<210> 4392
<211> 448
<212> DNA
<213> Glycine max

<400> 4392

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gaagctctcg agaaaatcga atggtcataa cttttcacac agatgtccga ttcggggaca 120

taactcatct agacgctcga aattgcacaa cggaagctct gcagaaattc gaatgctcat 180

aacatttcac taggatgtgc gattcgggga cataatatat cgagacgctt gaaattgaac 240

aacggaagct cttgacagat cggaatggtc attacttttc acacgaatgt tcgattctgg 300

gacataactc atccagacgc tcgaaaatga acaacggaaa ctctcgagaa attcgaatgg 360

gcctaacatt tcactccgat gttcgattcg gggacataat atatcgagac gctcgaaatt 420

gaacaacggg agctctcgag aaaatcga 448

<210> 4393
<211> 551
<212> DNA
<213> Glycine max

<400> 4393

agcttcttag tttcagatga tgtagatgag tttgtggcta cctcatgcac tcctctaatg 60

gctatagcat cattttggc gctaaactat tgggagttgg aagccatctt ctcaattaaa 120

ttcctggctt cagcaggggt catgtctcca aaggctccac cactggcagc atctatcata 180

cttctctcca tgttactgag tccttcataa aaatattgga gaagaagctg ctcacaaatc 240

tggtggtgag ggcaactggc gcatagtttt ttaaatctct cccaatattc atataggctc 300

tctccactga gttgcctaat gcctgaaata tcctttctga tggtcgtggt cctgcaagca 360

gggaaaattt tttctaagaa tactctcttg aggtcattcc agctcgtgat ggaccttgga 420

gcaaggtaat ataacctgtc ctttgccact tcctctaaaa aagacgaaag gccttcaaaa 480

agatgtgatc ttctttgaca tttggagggt tcatggtgga gtagacaata tggaattctt 540

tcacaagttt a 551

<210> 4394
<211> 190
<212> DNA
<213> Glycine max

<400> 4394

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tagcatgacc aagttagtgc cagcttccca atctcccatg ggatctcacc cttgaaattc 120

ttgtttccac ctgcttagaa gacttggagc tttcttaaag agctaatgct ttttggaatt 180

tcaccactga 190

<210> 4395
<211> 515
<212> DNA
<213> Glycine max

<400> 4395

tatatatcaa agatctgata atttagaagt tgtcggctac tcaaactcgg attttgctgg 60

ttgcgttgac tctcgcatgt caacatctgg atacatcttc atgatggcta tcaaagcaat 120

atcttggaga agtgcaaaac aatcattagt tgctacttac catggaggct gagtttattt 180

cattatttga agcgacatca caaggtattt ggttaaaaag tttcatggtc gatctacaag 240

tgattgatta tgttcctaga ccattaaaga tatattgtga taattcagct gctgtttttt 300

tgactaaaaa aaataaaagt ggaagttgaa gcaaacacgt cgacattaag tatttagtct 360

tgaaggaaca tgtcaaagca aattaaatca tcattgaaaa catcagtatt gaactaatga 420

ttgcacatcc attgacaaaa ggcatgcaaa caaagtcatt taatgatcat gttaagaata 480

tgggacttga ttttgtcata ttaagttccc ttttt 515

<210> 4396
<211> 413
<212> DNA
<213> Glycine max

<400> 4396

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ccctaactaa gttgactcgt aagaatgaga agtttgtctg gaatgagaag tgtgatcaaa 120

gtttccaaga gttgaagagg cggttgacga cagctccagt gttaattttg cccgacccta 180

agagaacatt tgaagtgtat tgcgatgcaa gcgggcaagg cttggggtgt gtgttgatgc 240

aagagggaag agtaatggcg tatgcttaac gtcaattacg ttctcatgaa gataactatc 300

cgactcatga cttggaacta ccagcggtgg tctttgcctt aaaaatttgg aagcattatt 360

tgtaccgcac ttgttttgaa actttccgtg atcacaagag tcttaaatac ttg 413

<210> 4397
<211> 503
<212> DNA
<213> Glycine max

<400> 4397

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cttttattgg aagatcaagc gtaaataatg tgatagcggg agaggggaag gtcacagatg 120

atcaagaaca acgtcatgaa tcccaagaga ttattagttt ttctccagag cagtgcaaag 180

ccttactcgc tttaatccaa caaccatctg caggaagcac agcttctaac cacccacaaa 240

ccaaacaggt tgcctccata tcttctactg atacagtgac taacccaggt ataccttctt 300

cccttagaac tcaaaaatct acctcctggg tattagactc acgagccaca gatcacgtaa 360

catgtttctt aagtaacctt catttttta atcgaatcga acctaatatg ttgaaactcc 420

caaacggcca gcatgtttac gccacccaat ccaggggggg gcatcttttg tcattcataa 480

ctttactaga agttctctat ata 503

<210> 4398
<211> 600
<212> DNA
<213> Glycine max

<400> 4398

tatgctgcaa acatcaacaa tagacctcct caacctcagc agcaaaatca gccacaataa 60

aacaattatg acctctccag caacaggtac aatcccgggt ggaggaatca tcccaacctt 120

agatagtcaa atccttcaca acagcagtag caacaacaac aaccttattt tcagaatgct 180

actggtccaa gtagaccata cgttgctcca ccaatccagc atcaacaaca acaacaacaa 240

cagccctaga aatagcaaac agttgaggct cctctacaac cttcccttga agaacttgtg 300

agacaaatga ctatgcaaaa catgcagttt caacaagaga ccagagcctc cattcatagc 360

ttaactaatc agatgggaca attggctaca cagttaaatc aacaacagtc ccagaattct 420

gacagattac cttctcaatc tgtccagaat cccaaaatgt gagtgccatt acattgagat 480

cgggaaagca gtgtcaagga cctcaacctg caacatgttc ctcatccaca aatgaaccta 540

cccaacctca ctctactcca aaaaaagatg atgacaaaaa tttaaagagt aagttaccta 600

<210> 4399
<211> 299
<212> DNA
<213> Glycine max

<400> 4399

agcttctcag atccggtcat ggaaagactt ggcaactgcc ttcattaggc agtaccaata 60

caacacggat atggctcctg atcggagcca acttcagagc atgaccaagt gggaacatga 120

gtccattaaa gaatatgctc aaaggtggag agacctagca gtccaagtcg tccccggtat 180

gactgaaagg gaaatgatca cgattatggt agatacgttg cctacgttct actacgagaa 240

gctgatagga tatatgccgg ctaactttgc aggcctcgtc ttcgccggaa aaagaatcc 299

<210> 4400
<211> 410
<212> DNA
<213> Glycine max

<400> 4400

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aaaaataaca cagcaaatat aatcaaacat caaacataat tactaataat atatagatat 120

atatcaaggt gttacaactc tcccactctt ttaaaaattt catcctcgaa atttacgtta 180

ctcaaacaag gatggataag cttctcgcat ttgactttct aattcccaca tgacatcatc 240

ttctgatgca cctccccaga tcaccttgac caacagaatc tctttccctc ttaggtgttt 300

tgtttgtcgg cataccctaa tttcgtctag ggaccattct ttgatggcat acaacctttg 360

gttgaccgct tagaggtact tggaacccat tgttgcacaa tacgtgaagt 410

<210> 4401
<211> 574
<212> DNA
<213> Glycine max

<400> 4401

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ctgcagtact aagaaggtaa tttataaatt aatcctcacc ggaatgactg aatagaaacc 120

atttggtatt ggttctgaaa gcactccagt gcgctagaga ttttgtgatg ctttttgaga 180

agacaaaaca tctttgtcaa aatgttgagg agactcctta ttacttaaag tctcatccta 240

agaacccaaa taaacaaatc caaatttttt caacacaatc tgaaggccac cacgacacat 300

taaatggccc ttgctctgct ggccctgcat cttctcgtgt ctgcttcatg ttcttatata 360

tttggaatga aaaaccatgt cgtcaccatt attaacccat aagagacata tctaggctaa 420

aggattttct taaaatacaa aacctttgaa tatatatttc agtaacgccc actggttcag 480

ctggaaataa ttgtacctgc ctgaacccaa aaacaaagat tttggatttt taaaaaaaat 540

aaaacacccc tttaaaaagg gatgaaaatt ttca 574

<210> 4402
<211> 450
<212> DNA
<213> Glycine max

<400> 4402

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cacagtggcc aaagatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120

taagatgttc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180

agagtgtatt tatgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240

gggagagagg ataacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaacag 300

atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtgga 360

tgaactcatt ggttcccttc aacctttgaa ctaggactct cggatagggc tgaaaagaag 420

acaagaatct ggcgctcgtg tccaatgatg 450

<210> 4403
<211> 486
<212> DNA
<213> Glycine max

<400> 4403

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tatgtgtctg acttcgaaaa acaaaagaga gatgttctaa gaaaacttaa ttgtcaaatg 120

ttctctcaac aactattgga caaacattta caaatctatt gagaattctt ctgagatctt 180

caatttgtat catctactct aaagaaatat ttttgttaat cttagaaact cagttgtaat 240

caagagacta gttgtctctt ggagaatctt gaacacaagg gtgaggaatc ccaaggtgtg 300

ttcaaagttt gtaaaagatt tacagaaata gtggaaaatc tcaagtgggt tgcttgagga 360

ctgaacgtaa gcacgggcag tggccgaacc aatataaatc aagcttacaa ttccctctct 420

ccttatctta tttattttat tgccatcaat tttgtcttac atggttaaaa gaacattatt 480

aatttg 486

<210> 4404
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4404

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ctattttcag attgggaatg cctctaacag caccttttgtc aatgattttc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcatcttct ttggaggata 180

gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240

tgctgccctt cattanaact tcactcttct catttgtcac caagcattct gactttgtga 300

agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttt gcagtcagtc 360

ccttcaccag cagtactttg ttcagattac gaagtccatc atggactagc tttcccattc 420

tagtgatctt tcctttagag ccatc 445

<210> 4405
<211> 350
<212> DNA
<213> Glycine max

<400> 4405

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ttgctcaatt ttcagattgg gaatgcctct aacagcaccc ttgtcaatga ttggattcat 120

gcctcttaag agcaaaggtc caaatccttg atgccatatt ttgacttcat attctttgga 180

tgataaacat gtgaaggaat aactgtgtat ttgacgtgta cctacgaaac agctgccctt 240

tgatctgctg accttcatta gaactttact cttctcattt gtcaccaagc attctgactc 300

tgtgaaatta acattgaatt cttcatcaca caactgactg atgctgatca 350

<210> 4406
<211> 481
<212> DNA
<213> Glycine max

<400> 4406

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gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atccaacacg gctcattttg 120

tttcaagatt aatacaagat tgtttcaaca aacaaagcct tgattgaaga tttcttcacg 180

atcaagcctt gcctcaccat gaaaggtttc aagccattca aggcacatgt aatcgattac 240

cactggtttg aaagtgtgta atcgattaca catcatatgt aatcgattac cacagactct 300

gaacgttggg aattcaaatt ttaaatgaaa ggccaccact attcaagaga aacaaccgtg 360

taatcgatta ccctaatcct gcaatctatt accaaagagg attttcaagg aatatcggcc 420

acagtcccat cttatcattt ggattttgaa tggcccccac acgcctatat atatgtgtga 480

c 481

<210> 4407
<211> 428
<212> DNA
<213> Glycine max

<400> 4407

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tagggattcg aagttgatac cctatcaaac tcacatcttg aggttagcca agtactttga 120

tgatatttcc ttccaccaca tacctcggga agagaatcaa atggctgatg cattagccac 180

cctgacatcc atgtttcaac ttgccccaca cggggatctg ccgtacatcg aattcaaatc 240

tcaaggcagg ccggcatatt gttatgcaat agaggaagag cgggatggga aaccgtggta 300

tttcgacatc aagcagtata tcgagaataa agaataccca ccagggattt cggacaatga 360

caaaaggacg ttgaagagat tgggctactg ttttctttgt aagtggtact atcctttaca 420

aacgaaac 428

<210> 4408
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4408

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tgatggtgcg cttcaattaa tttatcacag gtacgtcatc ttgtccaaac tgtgccgctt 120

ttcttgtgaa acacgagtgc tcatccacat tgcacaggtt cacctggaag attcattccc 180

aaaggcttat gactttggcg ggagtttata gaccctggaa atacgtttcc aaattaaaga 240

ggcgtgagcc tcgacgatat cttgagatgc tctatatcct caaggtccgc gatttgttga 300

gtcacatgac atttg 315

<210> 4409
<211> 486
<212> DNA
<213> Glycine max

<400> 4409

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ataaactagc tgtgcgtgtg tgcaagtctg aaggtgaatg ttctatgttt caactctttt 120

ctccttattg ttattgtctt aatacggcta gaatagaaaa agtttttgga agtaaattaa 180

ggattagctc acctttgctg atttgaatag ttcatcaaga acctcggaca aagttggatg 240

tgcatgaacg gcaaatttta tgtcctgcat tgtaccacaa aacggtgaaa tttaccaaac 300

aggcaggata aataacagtg aaagactttg agaccattat taataactaa atgccaggtg 360

cacacataaa tgtggtagaa aaacttacct gaatatgtgt ccctaatgct attgcattgg 420

atgcttcatg gatgagatct gctgcatgca aaccaaaaat atgaactcct agtatctctc 480

cattgt 486

<210> 4410
<211> 508
<212> DNA
<213> Glycine max

<400> 4410

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cctcgggaca atgacttcct tgactcacct cgacctctct ggtactggat tcatggggaa 120

gattccatct cagatttgga atctctccaa tttggtgtat cttcgcctga cgtatgccgc 180

caatggaaca attccatctc agatttggaa tctctccaat ttggtgtatc ttggccttgg 240

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gaagcttgaa tatcttcatt tgagttatgc aaacctatcc aaagcatttc attggctaca 360

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ctataatgaa ccatacttgc tcgacttctc atctctgcaa actctccatc ttttcgtact 480

agctattccc cttgcctttt ttttgtcc 508

<210> 4411
<211> 483
<212> DNA
<213> Glycine max

<400> 4411

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tatgaagaga taacaattta gagagtgatc caagactttc aaatggattt ccactgaatt 120

tattcataga gagatcgaga tatcttaatg atgaaagttt tccaaatgat ctaggaagag 180

catcaccaat tgagttgttg gaaaaaagta acgtgtcaat atttttaaat gccccaatat 240

gatctgtcag attgcctgaa agtcgtgaac tctgaactgc aagtgttgtg agtccatggg 300

aaatacaagg agcacgaatt tctaaaagtt cattaacctg ttggttgaat ttgagatatg 360

ataaatctat cacccttaag ttgcagagat tacccacaga agttggaatg tttcctttca 420

gttgactata tgaacaatga agtccacaag agaagtcaaa tacccaaaga agttggaatg 480

ttt 483

<210> 4412
<211> 467
<212> DNA
<213> Glycine max

<400> 4412

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ttatcctaaa aagcacctaa aattaaggct gcttcatgaa gcttattaaa cttttgaaca 180

tacttcaacg gtaagtgcgg ctgtgagtat acatggcaat gaggtatggc atgaacgggt 240

attgtctccc caatccccga ctccgacttc ccaacatctt cccatacccg tacccgatac 300

ctgacgggtt aaaatttatt atcccattcc ccgacttgtt gggtattacg tattcctcca 360

cccctgtgcc ggactaaatt caaattagaa aaatattttt tggtcaagaa aatattaaaa 420

atttgatttt acaaaaaata aaccgaatgt taaacattta tttttaa 467

<210> 4413
<211> 528
<212> DNA
<213> Glycine max

<400> 4413

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aaatcaacta actcatctga catcattttc caataatggt cgatcggaat gtccatttgt 120

ttttgtactc tagctgattg caaatgtatt tcgaccggaa gtatagcatc gggcccataa 180

gtcagtcgaa atggggtagt attagtcgat tccttaggag aatttctaca tgcccataga 240

acttgatcta acgttttatt ccaatttctt ggcttttggg caatgtgttt tttaatcaag 300

ttaattacaa tcttattggc tgcttcgacc tgaccatttg cttgcgcgta atatggtgtt 360

gaggttaata atcgaaagcc agtttttttgg gcaaattctt tcatttttcg tccagtaaaa 420

actgaacctt gatcagtggt aattggttcg tggttaccaa acctataaat aatataattt 480

tgaatgaaac taattactgc tttctgatca accattggga aagggact 528

<210> 4414
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4414

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ttgtaccttt ctaggaagaa acttggtaac ttggagaagt aaaaaacaag atgttgtagc 120

gtgatctagt gttgaagctg aatttcgggc tacgacacaa ggtatttttg aattgctttg 180

gctaaatatc atcttatatg acttgaagat taaataagag gcacatatga agctttattg 240

tgataataag tcagcaatca gcatagccta taatcttgta caacatgatc gaacaaaaca 300

cattgaagtg gatagacatt ttatcaagga aaagttggat agtggtttga tttgtacacc 360

ttccgaaggt caacttgcgg atattctcac taaaggattg cacactccaa attttgatag 420

aacaatatga aagcaaggac tggataacat ctatcctcca ccttgagggg gagcgttgga 480

tagatgagca tttattgatg attttctttt ca 512

<210> 4415
<211> 287
<212> DNA
<213> Glycine max

<400> 4415

tcgctttatc tgttacgacg tcgttgttat attgggccca ccccttgca agtggagcgt 60

ccgaagttga tacgggcccc actatacatt gcctgaaatg cgctgctttt acattattaa 120

aaatctatgg aaaagctgtc atgctggatc atttgtatta tggaccagaa aagaataatt 180

gaaaagtttt cttattatgg agcaaaaaaa tctctaataa tgatttttta aataaaatca 240

taattatttc acttaatgtt gtcttatcta atgttcacta tgtaaga 287

<210> 4416
<211> 444
<212> DNA
<213> Glycine max

<400> 4416

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gaattctttt tgcggctttt agatgaggag aggtaggagc ctccgtaaag ctacacacaa 120

ctcccaccgc atatagaata tcgggccttg tattgattag ataccttaaa ctccccacaa 180

gaatcttgaa gatcgtggag tctaccttct ctccttcatc aaactttgat aacttcaagc 240

caccttccat aggtgtgttc acgggattgc aatcaagcat attaaatttc ttcaacactt 300

cttttgtgta gcttccttgt gagacaaaga taccatttct ccgtttgctt cacttccatt 360

cccaagtaat atgacatgag tcccatatct gtcatatcaa attcatgaga tatggactcc 420

tcgaagtctt taaacaaatt tggg 444

<210> 4417
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4417

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aacttgtcac ttcgaggtcc gattcaggcg cataatatat cgagacgctc gtaattgaac 120

aacagaagct gtcgagaaat tcaaatggac atcagctttc actcggaagt ccgattcagg 180

cgcatcacat atagagacac tcgaaattga acagcggaag ctctcgagat attcaaatgg 240

tcataacttt taactcngag gtccgagtca ggcacacaat atatcgagac gcccgaaatt 300

gaacaacgga agctcttgag aaatcaaact gtcattactt ttact 345

<210> 4418
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4418

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agatgctgaa taaaagctca gatatgcttg atgaggtgct acagcttgng aagaatgttg 120

gaaaccagag aggacttggg tttaatcata aacctgctgg cagaataacc atgacagaat 180

ttgttcctgc caaaaacagc actggagcca cgatgtcaca acatcggtct cgacatcatg 240

gaacgcagca gaaaaagagt aaaagaaaga agtggaggtg tcactactgt ggcaagtatg 300

gtcacataaa gccctttgc tatcatctac atggccatcc acatcatgga actcanagta 360

gcagcagcag aaggaagatg atgtgggttc caaaacacaa gattgtcagt cttgttgttc 420

atacttcact tagagcatca 440

<210> 4419
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4419

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ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct ttttccactt 120

gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180

cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca gcatccgttg 240

aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300

tgtggttcaa tgacgtgatg gtatgttgca ccgagcggga gatattcaag tcactccgca 360

nagaagtctc ggaaaggaca cttgcctcgt aattntattt aacccgctat tgtaagatta 420

tgtttatctc ttttattnta aactata 447

<210> 4420
<211> 389
<212> DNA
<213> Glycine max

<400> 4420

tgaagcttgg agggaatatt tgttctatct tacataacaa cacatgtatg ttattgtcca 60

taattcttag atgctcaaca tttaaaggtg tcgaagttag ctctctacaa aattggctaa 120

gttcaacaag tggcttccaa atagatcttg gtaatgagtc aaatgcaatt ggaagcaacc 180

ggtgcatgaa aacatgacaa tcatgacttt tcattccatg aatttttccc ttgttaagat 240

ccacacatcg acctaaattg gaggcatagc catctggtaa ctttagttct ttgacctatt 300

taagaacagc gagtctttgg gatctggtca ttgcataagc tgcctttggt ttacagaact 360

cttcacgaac aacatctacc agctcaagc 389

<210> 4421
<211> 432
<212> DNA
<213> Glycine max

<400> 4421

agcttgaaga gcttcttgag tcttattctg ttatgaagaa tatgactgaa gctatagaaa 60

tgtcgaagaa ctgtatacag gtgttggagc tttgtgtcaa gtgtaacgat cacatttctg 120

aaggccagtt ttattctgca ttgaaaactt tggatttagt tgaggaaagt tgcacacaga 180

atattcctgc aaaggctatc aaaatggtca tagagagtag aattcctgct ataaaattgc 240

acgttgagaa gaaagtatgc actgaagtta atgaatggat ggttgagata atgagttctg 300

ctaaaaatat tgggcacacg gcaattggcc gtgctgtgac agttcgtcca agggacaagg 360

aaatgctaga acagcagagg aatgccgagg agcatagtat ttcaggacta tgcgatctag 420

cttatacttt gg 432

<210> 4422
<211> 309

<212> DNA
<213> Glycine max

<400> 4422

ctggatgcgt tggtcaactt ggtaacccag ctggccttga atcagaaatc tgtacctgtc 60

gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg cccttccatg 120

cagcaaccta gagcaattga gcagcctgaa gcttatgcag caaatatata caatagacct 180

cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc cagcaacaga 240

tacaaccctg gatggaggaa ttaccctaac ctcagatggt ccagccctca gcaacaacaa 300

caacagcct 309

<210> 4423
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4423

agcttctagt ctcaatttta gcgtctcgat atattaccca attcaatcgg acatccgagt 60

aaaaagttat tgtcgtttga atttcctacg agcttctgtt ttcaatttgg agcgtctcga 120

tatattaaag gactcaaccg gacatccatg tataaagcta ttgccaattt aattttctta 180

gagcttcgga tcaaaatttt gagcgtctcg atatattacg ggactcaatc agacatccga 240

gcaaaaagtt attgtcgctt gaatttgata cgagcttcta ttttcaattt ggagaatctt 300

ctcataaatt acaacactct gtccggcatn cgagtaaaaa gctattgtcg cttgaattct 360

ctaagagttt ccgcctcaat ctggagcgct ccatatatta cgggactaca ccgacatccg 420

tgtat 425

<210> 4424
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4424

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agttctcaat ctcataaagt agggaaacat agtctcttac aatgcatctt tgcacttggg 120

gcaatgatgc agctagtgag gttctaaccg aaaagcgtct attgttggtt gaaaactatt 180

tccaaacccc gtcttacgtc taggttcacc ctatgccttt gagaatttct ggaagggctt 240

cctcaagggc aaagccttac gagccttaca aactatttcc aaacccccctc ttaattaagt 300

ttgcaagact tactcctatg gtaagtgaat atcctatata tctatgtcat cctaaactat 360

ctattagctc ttaagaagga gattacggta aaaaaaagac tttcattctg gttacc 416

<210> 4425
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4425

ctcagctata atatatcgat acgctcgaat taaacattgg anactctcga gaagatcaga 60

tgatcatgac ttttcacacg gatgtccgat tcgggcgcat aatatgtcga gaggctcgaa 120

attgaagaac ggaagctctt gagatattca aatggtcata acttttcaca cgaatgtacg 180

attcgatccc ataatatgcc gagaggctcg aatttgaaca acagaatctc ttgagaaatc 240

caaatggtca taacatttaa ctcgaatgtc caatttaggc gcatcacata tagtgatatt 300

cgaaagtgaa caacggaagc tctcgtcaaa ttcacatggt cataactttt cacactg 357

<210> 4426
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4426

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tagttcaatc tcgagcttct cgacatatta tgcgcgcgaa taagacatcc gtgtgaagag 120

ttatgaccat ttgaatatct cgagtgcttc cgatgtttaa tttcgagtgt atcgatatat 180

tttaaacctg aatcggacct cagtgtgaaa agttatgact atttgcattt cgcgagagtt 240

tccgatgttt tatttcgagc gtatcgatat attataagcc tgaattggac atccgtgtga 300

aaagctatga ccatttgaat ttctcaggag cttctgttgc tcaatcttga gcgtctggat 360

atgtgatttg tctgaatc 378

<210> 4427
<211> 309
<212> DNA
<213> Glycine max

<400> 4427

atgcataatg ctcattttgc ttactgcagc tgggttattt caattcccat atcgcatcat 60

atttgctgtt gccactttga aatcattgga catttatgac actgagagca cctctccgat 120

agctgtatta gctggccttc actatgcccg aataacagat attaccgtgg aaattataga 180

tgctagcaat tccttttctg gtttgagaat taagatgaat atttacggaa agggttaact 240

ctaactgtta cttgctcata aggtcatgtg atgctcatta tttggcatta gcctcacaag 300

atggtatct 309

<210> 4428
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4428

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gtgatcaaag cttccaagaa ttgaagaggc ggctgacaac agctccagtg ttaattttgc 120

ccgaccctaa gagaccattt gaagtgtatt gcgatgcaag cgggcaatgc ttggggtgtg 180

tgttgatgaa agagggaaga gtantggctt atgcttcacg tcaattacgt cctcgtgaag 240

ttaactatcc gacccatgac ttggaactat cagcagtggt ctctgctcta tagaattgga 300

gacattactt atacggtact cgttttgaag tttcagtgat ca 342

<210> 4429
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4429

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tacaagctta cgacacttag agatctaatc ttcacttctt ttcgtggaga aatccattct 120

aacgtangga tgcttacaag cttgcaacat ctagatctga gtggaaattc tcttcttgga 180

gaaatccctt ctgaagtagg gaagcttaca gccttacgat atctagatct aagttataat 240

gtggctattc atggagagat cccttatcac tttaacaacc tctcacaact gcaatatcta 300

tgtcttggag aacataatct ntccggacca ataccttgtc cggttggcga atcttctatc 360

tgtcatactc ttagacttga aggcaatctt gatcttaaaa ttaac 405

<210> 4430
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4430

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gaactctgat ngggattagt ttttttattg aatgagtgtc taattaagtt acttacccag 120

attgcattct gaatgaaaca tggattaatg cttcttcatt ttcatgattt ggtttctaaa 180

tagttaacaa tggttcaaat tcctctgttt tggcaggtgc tgtctgcatg ctttaccgta 240

tgcacccttg gttatgcagc agcaggtgtt ttgggctact taatgtttgg acaggaggtt 300

gaatcacaag tgactttgaa cctcccaaca ggcaagttca gttcacatgt ggcaatattc 360

actaccttgg tcaatcctat aaccaaatat gcattgatgc ttactccagt cataaatgct 420

<210> 4431
<211> 441
<212> DNA
<213> Glycine max

<400> 4431

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ggatcaaacg atgccttatg aatcctcttg tgcttgtgcc accagtgcct agaagatccc 120

tcattctata catgactgtg ttggatgagc cgatgggatg tatgctgggg cagtatgacg 180

agtctgggaa gaaggagcgg gtcgtctatt acataagcaa gaagttcaca gcatgtgaaa 240

tgaactactc tttgcttgaa agaacatgtt gcaccttggt atgggcagcc caccgcctaa 300

gccaatacat gttgtggtac accacttggc tggcatccaa gatggaccca gtcaagtata 360

tttttgaaaa gccctctttc atcggacgga ttgctcggtg gtaggttcta ctgtcagagt 420

tcgacattgt ttatgtcact c 441

<210> 4432
<211> 322
<212> DNA
<213> Glycine max

<400> 4432

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ggggcacgcc ctgttcaaat cagtatagtt ggtgcacatt caccatttgt ccgtggcctt 120

ttttactgtg atgatgctgg ccagccaggt ggagtatctg acttctctga tgatgttggc 180

atggagaagt ttgtccactt cttctttgac aactatgtgt cggtcttctc ccatcttcct 240

tttctttttgt gatattgatt tagcctgggg acacatggca agcttgtggc atataatgtt 300

ggggtggatt cccgacatgt ca 322

<210> 4433
<211> 141
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4433

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attttgattg gttttggatg atcaatgcat tttcttttat ttagttactc tgaacacact 120

tttaacactg ngctgtatat a 141

<210> 4434
<211> 235
<212> DNA
<213> Glycine max

<400> 4434

ccaaactttt ctcctaatta aaaatgtatc ttacttttta ctcaaggtat gaattccctt 60

aatgacaaac ttcttgaaca ttaattccaa tgaagcaact tgaattatga atgttaagca 120

ctattcaata aacgagagtt atggaagaga taatgcaaac tcagttgtat actggttcgg 180

ccacaccctt gtgcctacgt acagtcctca agcgaaccgc ttgagagatc cacta 235

<210> 4435
<211> 455
<212> DNA
<213> Glycine max

<400> 4435

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accatttttct ttcgttgttc caattcaggc atagttctga gcttttccac cacccttttgg 120

actccccaat gggatggcca aacctctggc tcaggatcat tgtggccata aactatagca 180

cacgcttcaa tgccacagag ggtgctgagt tcctcaacct tcttcagcat ccccttcttc 240

cttttcttgt atgttgccct ccttgcagca tcattcccta tgaatgcgag tttcaccttt 300

tttctagtca tgacggtgac cagaaaaaat ggagagaaac taaaagaaaa ttgaaaagag 360

tgataattgt ggtggttttc tattgccacc aacaatctct ttatatggaa caatttgata 420

tgcgtttgac tttcctgtaa gcctttggtg atagt 455

<210> 4436
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4436

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caatacggac atggctccca atcggaacca acttcagggt atgactaaac gagagcatga 120

gtccattaag gaatatgccc agagatggag agatctcgca gcccaagtcg taccgcccat 180

gacggaaagg gagatgatca caattatggt agatacgtta cccacgttct actgtgaaaa 240

gctgataggc tacatgccag ctaactttgc agatctcgtc ttcgccggag aaaggattga 300

atccgggcta cgaaaaggca agtttgaata tgcttccaat atggccccca acaacaacag 360

aagagcctta tcagtgggcg cgaggaanaa ggaaggagac gcccacgcgg tcaccaccgc 420

cccaacatgg atgaaagcac cct 443

<210> 4437
<211> 422
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 4437

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gtgaagaaga atgtggcatt tacctgnggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acatgttcta gctcttcctg acttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgttt tgttgcaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatggt gccaccctta actaccccac ctatgataaa 300

gagctttatg ccttaataag agcactccga acttgggaac attatcttgt ttccaaggaa 360

tttgtcattc atagtgatca tcaatcactt aagttcatta gagggcaaag caagttaaac 420

aa 422

<210> 4438
<211> 438
<212> DNA
<213> Glycine max

<400> 4438

caagcttgta acccatggaa gcttctatat ctccacactt tttggggtgg gccattcttg 60

gatggccttg attttctcag ggtccacttg gaccccattt ctaccaacta caaaacctaa 120

gaaaactata ttatctacac aaaaggtaca cttctctata tttgcataga gggtgttttt 180

cctaaggact gaaacaactt gtgtgagatg tcctaagtga tcatctagcc tcctactata 240

cactaaaata tcatcaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300

atgcataagc ctcatagagg tgcttggtgc attactgaga ccaaaaggca tcactagcca 360

ttcatacaaa ccagacttgg tcttgaaagc acgtttccac tcatcaccct tcttcatcct 420

gatttggtga taaccact 438

<210> 4439
<211> 276
<212> DNA
<213> Glycine max

<400> 4439

actcggatgt cttgattgag tccgtaatat atcgagacgc tctaaattga atggtgaagc 60

tctgaccaaa ttcaaacgac gataaatttt tactcggatg tctgattgag tcccgtaata 120

tatcgagact ctcgaaattg aatgttgaag ctctcagcca aatcaaacga caataactct 180

ttactcggat gtctgattga gtcccgtaat acatcgagac gctcgaaatt gaatgttgaa 240

gctctcagca tattcaaacg accataacat tttact 276

<210> 4440
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4440

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aaaaaagtta ttgtcatttg tatttgctca cagcatcaac attcaatttc gagcgtgtcc 120

atatattacg ggactcaatc ggacatccca gtaaaacagt attgtcgctt gaatttgctc 180

agagcttccg tattcatatt ccagcgtctc gatatattac aggacttaat cagacatccg 240

agtaaaaagg tattgtcgct tgaattcgct ca 272

<210> 4441
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4441

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tcattgctgt gtccaacgct ggggaagtgg cttatggttt caattgcaat ggcatgttta 120

agggctgtgc cactgaaaat ggcttcatgg aggtcggaat ctgggaatag ctccattatt 180

ttccttcatg gctgtttcga tgcaactttt ggatttctgt accatgttcc actgtagtgt 240

acggtctttc tgctggtgcc cgatttagat aaaaaatggt aaccttgttt ctaagaatta 300

caaaaaaatg cgaaacaata atatggtaac tttggtgctt tctcaaaata aagacttgtg 360

gtagacctat caaacccgtg tccttttttac tatacttact taacttcttc tcttntcttc 420

aatttatata 430

<210> 4442
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4442

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cgtcaacggc tgagtttaat ggtcaatgtc taattgaggc ttcagggatc aacattgcag 120

aattttacaa aatataagga ttcaatttgt aaattaaatt agcggaggat caaatgcgaa 180

attggaccta aagtgggggа ccaaaagttc aattttgcct aaaaaataat tgtgtatgac 240

ttaaaaaaat taatttaaaa atcaacaaac tcttattata atntgtaatt tgatgttatt 300

acatatacta atatacattc atattttatt atgaaatatt tattaaaaac aattaaataa 360

atagtatttg attaaacaga cataataata attctcttat ccgtttagag taaaatttct 420

ttttctttct ttccctgtga tg 442

<210> 4443
<211> 235
<212> DNA
<213> Glycine max

<400> 4443

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acaatacttc taactcggag ggcctattaa ggcgcataat atatctagac gctcaacatc 120

ttacaacgga agctctttgg ctatacaaat ggtcataact tctcactcga aggtccgatt 180

aaggcgcata atatatcgag acgctcggaa ctgaacaatg gaagctcttg agcaa 235

<210> 4444
<211> 414
<212> DNA
<213> Glycine max

<400> 4444

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ctatacgaga catcatgcca cacaaagtca ggttcatgat aactcgcctg tgctttttct 120

tccatgctat atgtagcaaa gagattgatc cactaatgct tgatgagtcg gaaaatgagg 180

ccgcaattat actgtgccag ctggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatatg gtcagagaaa tcaaatgatg tggtcctgtt tatatacggt 300

ggatgtcccc ggctgatcga tacatgaaga tcttataagg gtatacaaag aatctatatc 360

atccggaagc atctattggt gagaggtaca ttgcacaaga agccattgaa tttt 414

<210> 4445
<211> 451
<212> DNA
<213> Glycine max

<400> 4445

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gatgatggcg acaatatatt taaattttag atctaacgat ctaagaattt tctccataat 120

gtttacatca tcaagctttt caccacttct cttaagatga ttggtgattg ctaagactct 180

agagaaatag tcggagatga ctttaccttc tctcatatgc aaggtttgaa acttaactct 240

tacactatga agacgtacct tcttgatcgg atctgctccc ttatacgagg tttgaagctt 300

ctgccatgct tctttcaccg actttgcttc tgaaaccttc ttgaaagcat catcatctac 360

tcctagatag attagataga gagccttctt gtctctctct cttgagtctc taaactatct 420

ctttgagtct gagaaagact accctcattc t 451

<210> 4446
<211> 400
<212> DNA
<213> Glycine max

<400> 4446

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catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120

tttcacattg tctactccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180

aaggcttttc ctcattcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240

aggtccatca cgagctggga tgaccttaag agagtattct tagaaaattt tttccctgct 300

ttcaggacca cagccatcag gaaggatatc tcaggtatta gacaactcag tggagagagc 360

ctgtatgagt actgagagag atctaagata ctatgtgcca 400

<210> 4447
<211> 225
<212> DNA
<213> Glycine max

<400> 4447

tgtgtggatg atttcttcag atttacctgg gtcaactcta ttatagagaa atcacacacc 60

tttgcagtat tcaaggagtt gagtctgaga ctctcaagag aataagactg tgtcatcaag 120

agaatcacga gtgaccatgg cagagagttt gaatatagca agtgtactga attctgcaca 180

tctgaaggca tcactcatga gttctctgca gccattacac cacaa 225

<210> 4448
<211> 426
<212> DNA
<213> Glycine max

<400> 4448

agcttctaga aaacgttgat gtcaaatgca ttctattttt cttccatgtt tcagttgcac 60

gtagcttgtg tcttcttaac aaatagggca tgcgcgatgg cccttaacac aatatccacc 120

caaatttttg tatgctggaa agtcattaat ggtacaaaat aacattacac acaacttgaa 180

tgtctcattt caatacccat caaacacaat aacccccttg ttctacaact ttgtcaagtc 240

ttcaatcaag ggactgagat aaacatcaat gccatttctt ggctgtcctg tgttcgatat 300

catcatagac aacatcatgc attttcgctc catgcacaat caaagaggca agttgtaaat 360

tactagcaaa acagaccacg cactatgtcg agtgcttaaa ttgccataaa gatgcattcc 420

atcctt 426

<210> 4449
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4449

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ttatatttta aataaacgcg tgcagaaagg tgatccttct gctcctcttg ttgagtccat 120

actcgagttg atgataggaa attggacgtt tcgagtatcc cattgttatc gtgaagcaaa 180

cacagttgct gactggttgt ctaaatatgc gcatactact gcttttggtc ttcatgtgct 240

cgatgttcct cctcatggtt gtataacata cttaactgat gactctactg gagtttatag 300

acttcgtact gtacgtgtta ttgactcatg 330

<210> 4450
<211> 418
<212> DNA
<213> Glycine max

<400> 4450

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catgttttga agtgagtata ctctgtcaaa caatctacaa tcacctaggt aattgacttc 120

ccctgtgaca ctggtaagtg tgtaataaaa tccatacaga agtctttcca gacctaattg 180

ggaataggtc aaggctataa aaggccatgc tatttgtgat tgggagactt atgctcttga 240

caaatctcac aggtttgcac atactccttg acatcccgac acatgtgtgg ccatgaaaag 300

gaagctgcca aacatataag catgccttta acacttgagt gtcctcctgc aagggtggca 360

tggcaatctt gaagcaactg aaagcaaagc gcagactcta gtggaacaca taagcact 418

<210> 4451
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4451

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catttgcttc caaagtttca tggccttgaa ggtgaagacc cgcacacaca tttgaaggaa 120

tttcatattg tctgctccac catgaaaccc ccagatgtcc aggaggatca catatttctg 180

aaggcttttc ctcattcttt ggagggagtg gcaaaagact gactgtatta ccttgctcca 240

aggtccatca cgagctggga tgaccttaag agagtattct tagaaaaaaa tttccctgct 300

tccaggacca cagccatcag gaaagatatc tcacgtatta gacaactcag tggagagagt 360

ctgtatgagt actacgagcg acttaaaaaa ttatgtgcca gctgccctca ccatcagatt 420

tcggagcagc ttcttctnca atatctttat gaatg 455

<210> 4452
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4452

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aatgtgcatc gattatcgca agctcaatga agccatatgg aaagatcatt ttcctttacc 120

attcatggac caaatgttgg agaggcttgc gggacangct tattactgct tcttagatga 180

atactctggg tacaatcag 199

<210> 4453
<211> 232
<212> DNA
<213> Glycine max

<400> 4453

actagacatt ctcttaaaga tttatgccat aatatggcat ttgtgtctat gattgaacct 60

acaaatataa atgaagccat aatggatgat cattggatag ttgctatgta agaagaacta 120

aatcagtttg agagaaataa tgtgtgggaa ctagttgaga aacctgaaaa ctaccccatc 180

ataggaacaa aatgggtatc taggaataag ttagatgaac atggaataat ca 232

<210> 4454
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4454

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tcaggagtca tgtctccaag ggttccacca ctggcagcat ctatcatact tctctccatg 120

ttactgagtc cttcataaaa atattggaga acaagctcct cacaaatctg gtggtgaggg 180

caactggcac atagatcttt aaatctctcc cagtattcat ataggctctc tccactgagt 240

tgcctaatgc cttaaatatc ctgtctgatg gccgaggtcc tggaagtacg gaaaatcttt 300

tctaagaata ctctcttgag gtccatccat cttgtgatgg accttggagc aaggtaatat 360

actcagtcct tcgccgctcc cctctaaaaa cga 393

<210> 4455
<211> 229
<212> DNA
<213> Glycine max

<400> 4455

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atcctcctct aaatctccat tctaaaaggc agttttcaca ttcatctgat gtagcttcca 120

agtcataatg ggctactaat ggccatgata attctgaaag aatccttttg tgagactgga 180

gaaaatgttc tcatataatc aatgccatct ttctgagtat atcccttag 229

<210> 4456
<211> 456
<212> DNA
<213> Glycine max

<400> 4456

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ctacaacaat tgcagcaaga cccactatcc ataatgagag aataattttt gtttaaaacc 120

ttgcatcttg tatgaaagat gttttctttt tgggtttggg ttaggtcaca agattgactc 180

ccaatgagcc atctctccat tagaagatca ccttcttcgt aggggcaaac ctcttcaata 240

tgctcatcac ccttggcttc accctcactt ccacctgagg aaggagaaga agtagccttc 300

tcttgactac tgtagatgtc ttgatcccac atgatcatgg ttttctttgt agtggcattg 360

agaaagaatg tggcctttcc caatacattt taagcactta atgttactag ttctatcttg 420

tgaactaccc tttggagtga tttcttctat gttttt 456

<210> 4457
<211> 464
<212> DNA
<213> Glycine max

<400> 4457

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taggcaaaag attaagtgga gttagtgggt taaaaccaca aacaacttca aaaggagaac 120

aattagtggt gctatgaaca gatctattgt aagaaaattc aacatggggt aaacaagctt 180

cccaagtttt taagttcttc ctcaaaactg tcctaagcaa ggttcccaaa gtcctattaa 240

cagcttccgt ttgcccatcg gtttgtgggt gacaagtggt tgaaaataac aatttagtgc 300

ccaacttgct ccacaaagtc ctccaaaaat ggcttaagaa cttagagtcc ctatcactaa 360

caatgctcct tggcaaacca tggagtctca caatctcctt gaaaaacaaa tcaaccacat 420

gggaagcatc ataaactttt ttacatggaa taaaatgagc catt 464

<210> 4458
<211> 435
<212> DNA
<213> Glycine max

<400> 4458

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actgcagtta tcgaaaggtt ctcgcattca tccagtcttc cactattcca ttctaaaatt 120

gttcctccaa tcctcatcga atgaccctca cccagtcgca ctacctgtcg cggacaagga 180

taaccaacct gtcatcactc ctttggccat actcagtact cgctgggatt actcctacac 240

tggacatcgt ttaatggtgc ttgtgcaatg gtcgagtctt cactctaatg atgcatcatg 300

ggaagagtga gtctccttga aagatattta tcaacttgag gacaaggtgc ttttcgatgg 360

tcttgggaat gataggtaga gaaagataat aacccaacaa gcccacagtg aaaggcccaa 420

gaggaaaatc aactc 435

<210> 4459
<211> 367
<212> DNA
<213> Glycine max

<400> 4459

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tattgggaat gtctggttgc tcaaaatatt ctttattgag tccaaatgtt ccacttttca 120

ttcggactgg ccagtggatc tacagcacaa acccatttag tttgttttaa gacagaataa 180

ttgatgaaaa tgaaatcaac ccctgataac taaactctgc attacatgaa tgcgtataac 240

cgatgcactt tgctcaaagc gttattttta tttaaagcac ttaggggcaa agaaaacgtt 300

tttatttctc ccattttcag tttaaaatac tttcaagtta ccatgttttt acgtctatca 360

actttgt 367

<210> 4460
<211> 413
<212> DNA
<213> Glycine max

<400> 4460

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tgacagaaga acaaattttc aagtttttta actaaaactg ataatcttca attcaacttt 120

aagattgtaa agtacatttt ataaaatggg aaatattata caggattgac cactatcttg 180

ggaaagagct tgtggaaaat ctttctgttc tccgattctc aaatctcatc tttgaaccat 240

tatggtcaag gcaatatata agaaatgtac aggtgatatt ctcagaagat tttggcactg 300

aagggcgtgg cgggtaacct ttattcctta acagctttca cactttctgt tcttataatg 360

gggattctta tacattttca tatctgtacc atgtgtaggt acttttgacc att 413

<210> 4461
<211> 424
<212> DNA
<213> Glycine max

<400> 4461

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aagattcaag aggaaagttg atttcaagaa tcaagatcaa gatccaagac tcaagattca 120

agaatcaaga gaaggcttaa tccagataag tatgaagagg ttttttcaaa aattgagtag 180

cacatggatt ttgctcaaaa catgtttacg aaagagtttt tactctctgg taatccatta 240

ccacattatt gtaatcgatt accagtcgca gaatggattt gaaaatgttt tcaaatgaat 300

atacaacgtt ccaattgatt tcaaaaagct gtaatcgatt accatgtttt ggtaatcgat 360

tattagtgcc tttgaacgtt gaaatgtaaa ttcgaatgtg aagagtcaca tcctttcaca 420

taaa 424

<210> 4462
<211> 305
<212> DNA

<213> Glycine max

<400> 4462

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atccagacgc tcgaaattga ataccgaagc tctgagcaaa ttcaaacgcc aataagtttt 120

tactcggaag gtcgattgag tcccgtgata tatagaaacg ctcgaaaatg aaaaccgaat 180

ctctgagcaa attctaacga caataacttt gtactcggat gttcgattga gtcccgtaat 240

atatctcaac gctctaaata gaatgttgaa gctttgtgct aattcgaacg accataactt 300

gtttc 305

<210> 4463
<211> 525
<212> DNA
<213> Glycine max

<400> 4463

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agttgctgca catgctgtct aacattatgt caaggaatca gatcgggctg cacaatgcac 120

aaggcaagat aaaatgtcaa atgaagaatt gaagctgcag gatccacgat gtcggataca 180

atgtccagga catcctgccc gaaaatactg gacacataaa cctgttatat ctttaacaga 240

ttaatgtgca gttagcaaca gatttaggcg atctatcttt aggaacgaat taaaagataa 300

ttaaagttcg aattacaaac ttgaatagtt cgttcaggga ttaaagatta aagataaaaa 360

ctaaaagatc aaactttatc ttttagatct ttaaatgcaa attttcagga gaatgataga 420

tcttatccag cgcaagttgt tgcagcccaa atacgcacac tgctatataa acatgaaggc 480

tgcacgggtt ttgtaccaag tccgagaatg aagagttatt ttgtg 525

<210> 4464
<211> 298
<212> DNA
<213> Glycine max

<400> 4464

agcttgaaat gcctcatttt tatgagggga gaacaatgtc ccagtttatc ttggataatc 60

atcaactatg acgagtgcat aataactttc accaaaactc atgactcttg atggaccaaa 120

caaatctata tgttgtaatt ataaacgttg agttgttgaa acaacgtttt tggatttaaa 180

cgatgcccta atttggtttc ccttttgacc tgcctcacat aatttatctt tttcaaattt 240

tagccttggc aagccaacaa ccaaatcttt tgaaaataat ttgtttaaat ggtccata 298

<210> 4465
<211> 474
<212> DNA
<213> Glycine max

<400> 4465

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cataatatca caaaagtgtg cccggatgaa ataagagaaa tttggatcca cattgaagac 120

ccaagtaatg ttgaaatttg gatcatttac attagcatcc cccattgctt cagcagtggc 180

atagacccaa tttggggcag tctcaggtgt aacagccacc ggatacttaa tgcttgaagg 240

attcaccgac acatttagga ccgagctgtt gacatgaagg tatttcctat cattcaccca 300

agtcctaccc aaggtgtcat tttgggcagt aatcaaagga ccccccatgt tcaagcgata 360

aacagtttca aaggcaagtt cagaaagtcc actgaatgtt gctggcgggt taacagccaa 420

tgcatgatca aaaaacaact cattcggcat tgacacgact tcaattgcat tgac 474

<210> 4466
<211> 473
<212> DNA
<213> Glycine max

<400> 4466

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tcttaagaag ggggattgaa tttatatatt acaaactatt tccccaatta aaattctatt 120

tcactttcta ttcaagttac aaattccctt aacaatgaac ttcttaaata ttgattcaaa 180

tagaacaatc tgaatataaa tataaaacaa taataaataa aagagtttaa aggaagagaa 240

agtgcaaact cggatttata ctggttcggc cacacccttg tgcctacgtc cagtccccaa 300

gcaacccgct tgagagttcc actatcttgt aaaatccttt tacaagttct gaacacataa 360

ggacaatcct tcctttgtgt tcaaaattct tttacaacaa gagacccttc gtctcttaat 420

cccttaacaa ttatgaagaa cggaggaatg aatctctctt gaagagaaag att 473

<210> 4467
<211> 159
<212> DNA
<213> Glycine max

<400> 4467

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tccgattccg gcggataata tatcgagaag cctctaattg aacaacgaat gctttcctga 120

aattctaatg gtcataactt atcacacgga agcccgatt 159

<210> 4468
<211> 341
<212> DNA
<213> Glycine max

<400> 4468

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atttgcattg gaaagtacaa tgataaggtg ctttgtgatg ttgttcctat ggaggccaac 120

cacttactct tggggagacc atggcaattt gataagagag cttatcatga tggtttcacc 180

aacaagatct cttttacgta ttaaggcaaa aagatagtgc tccaaccatt gaatcctcaa 240

taaatgtgtg aggatcaaag aaaaatgaga gagaaaattc tttctgaaaa gagagaaaaa 300

gaaaaagaga gcttaccact ttaaagttca aaaagtgagg a 341

<210> 4469
<211> 423
<212> DNA
<213> Glycine max

<400> 4469

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gttcgaagac aaccttcttt ctccctttgt tggcttgttt aacatagctt ttatttttcc 120

tctcaatttg atctttgact ctctcatgaa acttcttcac atagtccgcc tttgcttgac 180

cttcttaatg cttaaaaaca gaaacattat gcataagcaa aagatcaaga ggagttagtg 240

ggttaaaacc ataaacaact tcaaaaggag aacaattagt ggtgctatga acagctctat 300

tgtaagaaaa ttcaacatgg ggtaaacaag cttcccaagt ttttaagttc ttccttaaaa 360

ctgttctaaa caaagttccc aaagtcctat taacaacttc cggttgccca ttcggtttgt 420

ggg 423

<210> 4470
<211> 468
<212> DNA
<213> Glycine max

<400> 4470

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cgagtccaac caatcccaaa caaggtcata ttccatcgaa ttttttggtc atttaacgca 120

tgtattgatg cgttttcatt ttataaaccc attgtgcaaa tctatggaac atggctatat 180

ggaagataca aagggatgtt gttaattgca attgcacaag atggtgctaa caacatattt 240

ccattgtcat ttgtcattgt cgagggtgag acaacagatg ggtggcacat ttttttgaaa 300

aacttgagaa cacatgtgac acccccacat ggtatatgct taatctctga ccgacatgag 360

tcaatccaaa atgcctacag atgacctgac agggggtgga cagcagacac ctcgtcacat 420

gtgttgtgta ttcggcacct atgcccaaac tacaaaaaaa aaaccatt 468

<210> 4471
<211> 303
<212> DNA
<213> Glycine max

<400> 4471

agctttctct tttgtgtaac tatctcatcc tctttttcaa gtgtacaatg aagcttggca 60

gattcaggtg caggtgctgc tactggtgga ggcacttgaa tttggttgcc agacctcaag 120

gtgaaggcac tcacattttt cggatcctgc acagtttgtg aagacaattt gtcagaattt 180

tgggactgag cttggttcat ctgagtagcc atctgcccca tttgatttgt tagactctga 240

atggaagctc ttgtctcttg ttgcaattgc atattctgga tggtcatttg cctcactaac 300

tct 303

<210> 4472
<211> 398
<212> DNA
<213> Glycine max

<400> 4472

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ataattcttg acgctcgaaa ttgaatacag aagctctcac ccaatttaaa tgacaataac 120

tttttactca gaagtctgat tgtgtcccgt aatatatcta gatgctcaaa attgaaaaca 180

gaagctctga gccaattcca acgacaataa cttttgactc cgatatccga ttgagtcatt 240

taataatttg agacgctcaa aattgaatac acaagctcta agcagattcg aatgacaata 300

acttttgact cgaatgtccc attgagtcat tttataattt gagacgctca aaattgaatg 360

cggagctctc accccattta aatggacata acttttta 398

<210> 4473
<211> 374
<212> DNA
<213> Glycine max

<400> 4473

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tatggcatca tttctggcgc taaactgctg agagttggaa gccatctttt caattaaatt 120

tctagcttca acacgagtca tgtctccaag ggctccacca ctggcagcat ctatgatact 180

tctctgcata ttactgagtc cttcataaaa atattggaaa aaaagctgct ctgaaatctg 240

atggcgaggg caactggcgc ataatttttt aaatcgctcc caatactcat acaggctctt 300

ttcactgagt tgtctaatac ctgagatatc ctttctgatg gctgtggtcc ctggaagcaa 360

ggaaaaattt ttct 374

<210> 4474
<211> 413
<212> DNA
<213> Glycine max

<400> 4474

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agttcgtgga tctcctcggg ggggagtagg tgtccgccat cgctttggcc ttggctagct 120

cttcatcaat ggattccttt gcatcttgga agatgaatgg caatgtaatg gagaaaggaa 180

gagagagagg agacgccact tcaaggagaa gatgagtcta gaagaagctc accaccatag 240

gaggccatgg ataagagctt ggaggaagaa agagatgaat gaagggagaa ggagaaaaca 300

gcccgaaatt ttgtgctcta aatgagctct gcaatctgag agttaatact cacaagatcc 360

aagtttaaaa caatgcccac ctttgacctc taattatacc cctactggcc ccc 413

<210> 4475
<211> 323
<212> DNA
<213> Glycine max

<400> 4475

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ggatgaccta tgcataaaat caggctatct tcaacatact tcatgaaaat taaagtaaga 120

atattgatac catatacacc accatgggaa atgggaagac atacttaatg cctgagctgc 180

cggaaatctt ttactgtaat tcttattcaa caacctctgt acaaaatctt tatcatcaac 240

tgataaagaa tgccgacgag cctcattaaa actaagatct gtcttgagta catcccgaaa 300

tataccatat tctggccggg ccc 323

<210> 4476
<211> 542
<212> DNA
<213> Glycine max

<400> 4476

tagacattag agtcatccaa gagggctagt gtcttcaggg gctgaaaatt atataaaata 60

aaataaaaat agaacgttag atatcaaaat gtgtaaatga aaataaataa aattcttata 120

cctataaaaa caaatttcta gaaattgaag taaccagaat aataacatca agttaatgat 180

agattaaaat cacaatagtt tataagaaaa atatttatgg taataatgaa gatctttaat 240

atcttaagat taagtattca acatcgataa ttatgagttt aatgatcatg cagcggcaat 300

gaaatttta tggttaatta atcttaatat tacttttgta aaactccatg aatttatcat 360

atacattgga aattattaga tgtcagtata aaataatttt agacatttag tgcatagctt 420

attttctcta attatatctc tatcttattt tattatgatg aagacttttc atccaaattt 480

tcaaaacgtt ccatagaaca tagttttatt aaaacaaaat atggatgtta acaccaaata 540

cc 542

<210> 4477
<211> 465
<212> DNA
<213> Glycine max

<400> 4477

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cagaaggcag atgccagatt cctacgcaca aaccgctgtt gaacataacc aatgtaatct 120

cattcttctc caaactttca atactccccc cttaatatcc aaccaccacc gccggaccat 180

atagcccgcc acccaacgcc aactgaacca acaccacgca tgctctcctc atctccccaa 240

acaacaacaa agcctggctg ctctttccat ttcccagcac acccggcaac catggtggtc 300

caagacacaa cattcctgca cggcattacc tcaaaaaccc tcctagcccc atcgaaatcg 360

gcacacctga catacccagc aagcatagaa ttccagctaa caacacttct ctggggcata 420

ccatcaaaca catggggccc ccgctcaacg ccaccgcgcc cagca 465

<210> 4478
<211> 395
<212> DNA
<213> Glycine max

<400> 4478

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ctcaagggac ttgaaattta agcttcaaaa actaacccaa ggcaacaagg gggttgagga 180

gtatttcaag gaaatggatg tgctcatgat tcaagcaaat attgaagaag atgaggaggt 240

aactatggct cgatttctta atggtttgac taatgatatc cgtgatattg ttgagctgca 300

ggagtttgtt gaaatggatg atttgcttac aaagcaatcc aagtggaaca acaattaaaa 360

aggaaaggag tggctaacag gagttttacc aactt 395

<210> 4479
<211> 464
<212> DNA
<213> Glycine max

<400> 4479

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ttgcggccat aggacttata attctgaaca tagaaaagta aatcatggtt gatttggtgg 120

cagggaagca cagccaatga aatgggccat gaagttgagg gtggctttct acttacctca 180

agctctacaa tattgcacta ctaaaggaaa gggtttgtat catgatctca atgcctacag 240

aatcttgttt gatcaggtat aactggtgtt taataaatgc tctccagttc taactaaacc 300

ctgtttcttc ctatttgaaa cttggattgg cttgggatgt atcaacagga tgctcatccc 360

aggttgtcct gcttttggac tcatggaaaa gagcacagat ggcaacagtt acagcacaaa 420

cctggctttt acccccttctg aatacttaaa gactggcaaa attt 464

<210> 4480
<211> 336
<212> DNA
<213> Glycine max

<400> 4480

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tatacagtta ttagggagat atttaatctc tacacccaag aaataatcca catgacctac 120

ctgtttgaca gagaatgcag tgtgaaactt ggctgtgagc tgctgaatta aaaaagttga 180

acctacccgt gatgactata tcatccacat agaccccaag aataacaata tgaacctgtt 240

gcgtgtagat gaccagagaa atggcacatt tgcttccctt caatcccaac tgaaatagag 300

tagatttccg cttatcaaac cactgccttg gaactt 336

<210> 4481
<211> 396
<212> DNA
<213> Glycine max

<400> 4481

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ccaactcttg atgttgattg gcgaaacaat gtttcatttg ctacatgctc ctctaataaa 120

atgatacatg tttgcaaaat tggagggaat agaccaatca aaactttctc agggcatcag 180

gtatctcttc ctagtcaacc agttcactga tggttttttt tattaatata ctaactttta 240

attggaaagg agacaacgac tttccatcac aaaatagaat aatatgctca cttataattc 300

aactatgagg atattcagtt acagttttaa tcatttctca aacattctga aatacttttg 360

tttcacgatg aagttaatgc cattaaatgg gaacca 396

<210> 4482
<211> 389
<212> DNA
<213> Glycine max

<400> 4482

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catatatttg actgaacatt taagttggaa atattctgaa agccccttta ttcctgaata 120

ttacccaagc ctcaggtttt gtgataatgg atccccccgca aacctaaaag caccatgaac 180

taaatctttt tactgttgtg ggggtcttct aagaaagagt ttgatattta ttttataggt 240

ttttgttcga gattttgtgc ccagtgctct agccttttg atgaatggtg aacccgagat 300

agtcaggaac ttcttgttga agacacctgc atcttcaggg ttgggaaaaa aaagtacatc 360

gggttaagct tggtgaaggt gtgatgcca 389

<210> 4483
<211> 544
<212> DNA
<213> Glycine max

<400> 4483

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tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120

gctttccaag ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccagtat 180

tcatagttgc ttccatcaag aattggtggt ctgttcactg gtcctccttc tttctccatg 240

ttcatcagaa tttatctccc cagatctcac tctgtgattt cgagtgttgg ctctgatacc 300

aattgaaatt ctgataccca gggacagatg tcgtacagga tgtcacgaca tcacgcttaa 360

aaacatgcaa attgtatggt gtcctatgaa cagattaaac acgtaataac accagagaat 420

tgttacccag ttcggtgccc cttacctaca tctgggggct accaagccag gggaggaaat 480

ccactctcaa tagtgttagt tcaaggtcta acaacccccct gtttacaacc tttctaccta 540

acca 544

<210> 4484
<211> 390
<212> DNA
<213> Glycine max

<400> 4484

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aaggtattgt agtttgaatt tgctcagggc ttccgtattc catttcgagc gtttcgatat 120

attaccggac tcaatccgac attccagtaa aaagttattg gtggttgaat ttgctcaaag 180

cttcggtatt tcatttcgag cgtttcgata tattaccgga ctcaatcaga catccgagta 240

aaaagatatt gtcgtttgaa tttgctcaag gctttcgcat ttcatttcga gcgtctcgat 300

gtattacggg actcaatcag acatcccagt aaaaagttat tggcgtttga atttgcttaa 360

aagcttccac attcaatttc cagcttttca 390

<210> 4485
<211> 385
<212> DNA
<213> Glycine max

<400> 4485

tatcatatat cgatacgctc gaaattaaac attggaaact ctcgggaaat tcaaatagtc 60

ataacttttc acacggatgt ccgattcggg tgcataatat gtcgagaggc tcgaaattga 120

acaacgcaag ctcttgagaa attagactgg tataactttt tacacggaag ctctcgtgaa 180

attcatatgg tcataacttt tcacactgag gtccgattca ggcttataat atatcgatgc 240

actcgaaatt aaacatcgga aactctctaa aaattcaaat ggtcataacg tttcacacgg 300

atgtccgatt caggcgcata atatgtccag aggctctaaa tttgaaaaac gaagctcttg 360

agaaatttca atgggcataa ctttt 385

<210> 4486
<211> 413
<212> DNA
<213> Glycine max

<400> 4486

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ttgtgtaatt tcgagcctct cgacatatta tgcgcccgaa tcggacatct gtgtgaaaag 120

tcatgatcat ttgaatttct cgagagtttc cgatgtttaa tttcgagcgt atcgatatat 180

tataaccctg aatcggacct cagtgtgaaa agttatgacc atttgaattt gacaagagct 240

tccgttgctc aatttcgaat atcactatat gtgatgcgcc taaattggac attcgcgtta 300

aatgtcatga ccatttgaat ttctccagag cttccgttgt tcaattctga gcgtctccat 360

atgtcagtcg cctgaatcgg acatcccggt gaaagctttt acccttttaa ttt 413

<210> 4487
<211> 474
<212> DNA
<213> Glycine max

<400> 4487

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atttcttcct aagttgatct agaacatgtg catatgctat gcacccaaaa actttaagat 120

gtctaattga tggtcactgt ccattctagg ctttttctgg cgtcttgtca caaacacttt 180

tagtcaggca cctattcaaa aatgtaaata attgtagcaa ctgcttctgc ccataactcc 240

ttaggcattt ccatggcctt cgacatgcac ctcaccatat ccatgattgt tctattcttt 300

ctttcagcta ctccattctg ctgaagcatg tatcttgttg ccaattgatg gtgaatccca 360

tgctggtcaa ggaaagttat gcaagtgaga tattcttgtc cttttgtcag tcgaagtact 420

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<210> 4488
<211> 466
<212> DNA
<213> Glycine max

<400> 4488

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cattaagaac tagctccttt cttcctctat tgcccttaat tgaatacacc tttgtttggt 120

tctctatttg ggtcttaacc ctctcatgca acttctttac aaactctgac ctagattccc 180

cttctttatg tatgaaagaa gtgtcaagtg ggaggggaat gaggtctaag ggtgttaagg 240

gattgaaccc atagacaacc tcaaaagggg attgcttggt ggttctatga acccccctat 300

tgtaggcaaa ttctacatga ggaagatact catcccaaga cttatggttg ccttttagaa 360

gagcccttaa aagagtggat aaagaactat tcactacctt tggttgccca tcaatttgtg 420

gatgacaagg gggagaaaaa aaaaacttaa tttctaactt aaccca 466

<210> 4489
<211> 364
<212> DNA
<213> Glycine max

<400> 4489

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cgaagcggag gacacattaa cgaaaactca attcatgggg cttcgaaaaa agggtttata 120

atggataatt acactaagca atcactacgc atagcttcaa actcaaatgt ggaggacaca 180

tgaacgataa cccacttcat ggggctccga aaagattgag aatggagaat tgcactacgc 240

catcactacg catagctcca aacgcgaagg tggaggactc atgaatgaaa acgcaattca 300

tggggctccc aatagattga taatggagaa ttgctctaat caattactac ccctatgtcc 360

aaac 364

<210> 4490
<211> 328
<212> DNA
<213> Glycine max

<400> 4490

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gcaaaattct tttctaacag agggctgagg cagcaattgc tattgggttt tgatgatttc 120

attgcagatg ccttgcaagg tactggattc tatcaaaaag gaacattgga aaataagaga 180

gctgatggta tatcattgct gaagaggtta ttgagaaaaa aaaggaaaaa agccaaatgt 240

aatatatctg tcattccttt cacaactgat ggaaagtagc cattggagtt ctatttcaaa 300

aaaagattat gtgctccttc ataaattt 328

<210> 4491
<211> 479
<212> DNA
<213> Glycine max

<400> 4491

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agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaaacggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggttt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

aaatccgtga tattgttgaa ctgcacgaat ttgttgaaat ggatgatttg cttcacaaag 360

caatccaagg tgggccacca tttaaaagga aaggaagggc taaaaagagt tttacccact 420

tttggtcttc tatttggaaa aacaaaggga tgaaagatgg ggctggtact tttagaatt 479

<210> 4492
<211> 288
<212> DNA
<213> Glycine max

<400> 4492

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atggggactt catcttcttt ggaggataga cacatcgagg agtaactgga ttgttgaagt 120

gtccataagt aacacgagcc ctttgatttg ctgcccttca tcagaacttc actcctataa 180

tttgtcacca agcatactga ctttgtgaag gttacattgg atccttcatc aaccaactga 240

ctgaagctga tcaagtttgc agtcactccc tttaccagca gaactttg 288

<210> 4493
<211> 598
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4493

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tnnnnnnann nnnnnccccc cnnngcacca ccacttccgg cacatctaca aaatcatttg 120

gataaagttc aaccatcctc aacaaatttt tcacatcaaa agctttaaat gatgatgagg 180

gactcaaaca tgaaacacat tgtaaaagtt cagtattctc ttcatcaaac ctagcattga 240

gctcatgcaa ctgcaaatct aaaacactaa ataaaaaatc atgcttataa tgatgaaaat 300

tagaaacact ataagtggta gcatgtcatc taggtttctt cccttgcaca tacggtgcat 360

ccaaatcaag cacattaata tcatgcttat tgcaaatttc cataacctta gatataagtt 420

ctttccattc atcatttcct atttcttgga aattcttctt tggtggcttt gacaagtgat 480

aaagcatttc aaaagatctt gatcacgcct ttggagcgct tcacttaaat catttgtaaa 540

atctcaaatc tcaaccctca tgtataacat ggaaattaaa atcaaggact gaagccca 598

<210> 4494
<211> 340
<212> DNA
<213> Glycine max

<400> 4494

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ggaaagccac cattcttgct ttccagtatt catagttggt tccatcaaga attggtggtc 120

tgttcactgg tccttcttct ttctccatgt tcatcagaat ttatctccct agatctcact 180

ctgtgatttc gagtgttggc tctgatacca attgaaattc tgataccagg ggacagatgt 240

tgtaccggat gtcacgacat cacgcttcag aacatgcaga ttatatgtgt ccgtatgaac 300

agattaaaca agttaataac acaagagaat tgtttaccca 340

<210> 4495
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4495

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aaatntttng aaattgaagg ggaagnnnna aaaatgggat tggggctgta ttgttacaag 120

aagttcatcc aattgcttat tttagtgaaa aattaagtgg tcctaccctt aactattcta 180

cttatgataa ggagttgtat gccttactga gagcgttgaa aacatggcaa cactatcttt 240

atcccaagga gtttgtgatc catagtgacc atgagtccct aaaatactta aaaggacaag 300

gtaagctaaa taaaaggcat gccaaatggg tggaatttct tgagcaattt ccttatgtta 360

ttaaacataa aaaaggaaaa ggaaatattg ttgcagatgc cttgtcaagg agacaccttt 420

tgctttctat gcttganaca aaaatgattg ggattgatta cttgaaaaaa atgtatgaag 480

gaaatgacac ctttggtgaa atc 503

<210> 4496
<211> 528
<212> DNA
<213> Glycine max

<400> 4496

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gatccttcct gtgtagatga ggtaggacta tggtacagtc gtcaaaaggg atctaggcgg 120

atggtcaatg agctcagaac cccattgatg gttgctgcta cttatggtag cattgatatt 180

ctggatctga ttctctcact ttctggctgt gatattaata aaccttgtgg ccttgacaag 240

agcactgccc ttcattgtgc tgcttcgggt gggtctgaaa atgttgttga tgttgttata 300

ttgcttctag cagcgggggc tgatccaaat tctgtggatg gcaatggtca tcgtccagat 360

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taaactgatg acttcattgc agtgtgtaat ttcagggtgg acaccgcttc atcaaatgca 480

tattcttcac ctttgtcaac attatcagag aatgggtctc cttttgca 528

<210> 4497
<211> 591
<212> DNA
<213> Glycine max

<400> 4497

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tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattataacc 240

tctccagcaa cagatacaac cctggatgga ggaatcaccc taatctcaga tggtctagcc 300

ctcagcaaca acaacaacag cctgttcctt ccttccaaaa tgctgctagc ccaagcagac 360

catacattcc tccaccaatc caacaacaac aacagcgcca gaaacagcca acagttgaga 420

cccctccaca acctttcctc aaagaacttg tgaggcaaat gactatgcag aacatgcagt 480

ttcaacaaga gaccagagcc tccatttaga gcttaaccaa tcaaatggga caattggcta 540

cacaattgaa tcaacaacag tcccaaaatt ttgacagctg gctttttaaa c 591

<210> 4498
<211> 691
<212> DNA
<213> Glycine max

<400> 4498

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tctttttgt ctaaaagtgg tatatggtta tatctaaaaa tgacattttg cactcataaa 180

gtatttcgaa agatgcattt atttttaccg aacaatttat cttttgtcat gactagtatg 240

taataaataa ataaaaaaga aatttttttac tcatgttttc ttaaaggaaa aagctttctt 300

cactggattg atgaacatga ttatctaaaa taaatttaaa ttaaaggaaa aaggcgtgat 360

ttttcataat agattttagg atgtcacacg ataagcttaa atattttgga tttctttttg 420

tctcacacta tattgttaga aaaactcctg aatttttttct tttgcaaaaa tattataagc 480

tattggacta attatatctt tggtttccaa acttttcttg aaattttact tgtagtcctt 540

aaacaaaaat ttaataataa tatttggtcc cctataatat tttttctatt caatagtctt 600

aagttctttg ttaccaagta aaaatggtta atttgaatac cttaatcaat tcaatcattg 660

tattaggccc cataactcat ttttttttt t 691

<210> 4499
<211> 370
<212> DNA
<213> Glycine max

<400> 4499

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agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgtgccggct aattactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaagtaacta tggctcgatt ttttaatggt ttgactaatg 300

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caattcaagt 370

<210> 4500
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4500

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gccccatgat tggtactttg cacctaaata acatgggaaa tgattttcaa tgctgtgtag 180

atatatgtgt aaatatgaag ggcatgaaat tctttgcaaa ggatgaagga atattgaggt 240

cacttcctaa atgaatgtat gatagcatgg gattcccttt tgaatgcaag tatgtgcata 300

atgttaaata tcttgccaat aggcataagt gtgagtgaaa caatgaaagt ttgtatggta 360

tatatatctt gagtgtgtgt agttagtttg tgatagcaaa tgtttaggat ataattaagt 420

gtaaattttg acgcaatgcc ttaaacgtga gaatgtgtgt ttcttttaaa atgcatatat 480

atgtatgaca attggaatgt gttg 504

<210> 4501
<211> 244
<212> DNA
<213> Glycine max

<400> 4501

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ttcaggcgca taatatatct agaatctcga aaatgaacaa tggaagctct tgagcaattt 180

aaatggggat tacttttac tcggaagggc gattcacgcg cctaatatat cgagacgctc 240

gaaa 244

<210> 4502
<211> 509
<212> DNA
<213> Glycine max

<400> 4502

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tcgagcgtct agatatataa tgcgcctcaa tcggacctcc gagttaaaag ttatgaccat 180

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ccatttgaat tgctcaagag cttccattgt tcaatttcga gcgtctcgat atataatgcg 420

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<210> 4503
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4503

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tgttcctaga caaaaccgaa ttgatggtat taaactcaac attcctctct ttaaaggaaa 180

gaatgatcca caggcctact tggaatggga gatgaaaata gagcatgttt tctcatgcaa 240

aaactatgag gaggaccaaa aggtcacgct tgccgccacg gagttttccg actatgctct 300

tgtgtggtgg aacaagctac aaaaggagag aacaagaaat gaagagtcaa tggttgatac 360

atgggcggag atgaaaagga tcatgaggaa gcggtatgtg ccggctagtt actcaaggga 420

cttgaaattc aagcctccaa aactaaccca aggccacaag ggggttgagg agtatttcaa 480

ggaaatggat g 491

<210> 4504
<211> 458
<212> DNA
<213> Glycine max

<400> 4504

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ccctagcctt gcaacaagtc ctagggaagt agatacggag atggacaaga aaatctgcag 120

tattgtgagt agcattttga aagacgcctc tgtgcctgaa gctgatgaag atgtcccaac 180

atcgtccacc ccaaatgttt ctgtgcctga tgtcaataaa gatgttccaa catcttccgg 240

cccaaatgct gaagtactct cttcccccag caaagagaga tcaacagagg aagatgatca 300

agccgcagag gagactccta caccacgggc accagaacct gctccaggtg acctcattga 360

cttagaagaa gtcgaatccg atgaagaacc cattgcaaac aggttggcac ctggcattgc 420

ggaaagaatt taaaacagaa agggaaaaac ccctctta 458

<210> 4505
<211> 484
<212> DNA
<213> Glycine max

<400> 4505

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acttcttctt ctagtgagcc attaagaaat gcagatttta cattcatttg gtatacttcc 120

cagcaattgt agctagccat tgctattaca agtctcactg tttccaacct agcaacaggg 180

gcaaatactt catcataatc cagaccttgc ttctgtagaa atccctttgc aacaagtctg 240

gctatgaact ttgttacttc tcctttagga ttcaacttag ttttgtagac ccattttact 300

ggtatggctt tctttcctgt tggtagcttt gtgagactcc atgccttgtt ttttctaata 360

gacctcagct cttcttccat tgcttcaacc caatgggagt gcttcaaagc ttctttcacg 420

cccaataggt tccatctcag caagtaaggc catatggaca aaatcaccat caactgtaat 480

cgag 484

<210> 4506
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4506

taaacattca atttcgagcg tntngttata ttactggccc ctttngnnnn nnnnnnnnnn 60

nnattgnnnn ngaannnnnc nnnnnttaaa cattcaactt tgagcgtctc gatatattac 120

gggactcaat cagacatccg agtaaaaagt tattgccgat tgaattggct cagaggttca 180

aaattcaatt tcgagcgtct cgatatattt ctggactcaa tcaaacatcc cactaaaaag 240

ttattgccgc ttgaattggc tcataggttc aacattcaat ttcgagcgtc tcgatatatt 300

tcgggactca atcagacatc cgagtaaaaa gttattgtcg cttgtaatgg ctcagaagtt 360

caacattcaa tttccagcgt cccg 384

<210> 4507
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4507

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atataacgaa acgctcgaaa ttgaatgttt aagctttgag ccaattctaa cgataataac 120

tttttactcg gatgtccgat tgagtctcgt aatatatcga cacgctcgaa attgaatgtt 180

gaagctctaa gcctattcaa acaacaataa cgttttactt ggatgtccga ttcagtgacg 240

taatatatcg ggacgctcga aattgaaagt tgaacctctg agccaactca aacgacaata 300

acttttttact cggatgtccg attgagtccc gtaatatatc aggacgctcg aaattgaatg 360

ttgaacctat gagcctattc aaacgacaat aacttttttac ttggatgcct gaatgagtcc 420

cattatatat cgagacgctc gaaattgaaa gtttaaactt tgagccaatt caaacgacaa 480

taacttttta ctcngatgat tgat 504

<210> 4508
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4508

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nngncnngnn nnnanannnn ncaccaaaac tcataattct agaaggacca aacaaattca 120

tatgtaacaa ttgtaatgat tgagtagttg aaacaatctt tttggatttg aatgaaactc 180

tagtttgttt tccctttga catgcatcac ataatctatc tttttaaaat ttcaatttag 240

gcaaaccaac aactaaatct tttgaaatta atttatttaa gtgttccatg tttatgtgag 300

caattcgttt atgacatagc catggatcat catctttgct aagaaaacat tgattattat 360

atagtttatg gcttaaagtt atcatataaa cattggtgac tctataccct atatgctnta 420

tattagtaac atgcttatgc tctatgagac aatttttaga atcaaattat actagatagc 480

ctttatcaca taagtgacta acactaagc 509

<210> 4509
<211> 202
<212> DNA
<213> Glycine max

<400> 4509

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cttataatct gggtgtctgt tgaacaattt ctgataaggc acctcttgat taatagagga 120

tgatggaagg cgattgataa ggtacatgct agaagtaaca gcatggtccc cgtccacaag 180

agtcatagag acttgcgata ac 202

<210> 4510
<211> 402
<212> DNA
<213> Glycine max

<400> 4510

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tctaaagagt cacaactctt caaaaacaaa ctgtgtaatc gattaccaca ttcatgtaat 120

cgactaccag taaggaattt tcgaaaataa ctcccaatag tcacaactgt ttaagaagtt 180

tttgaatggc catcaaaggc atataaatag gtgacttggg atatgaaatt ccttagagtt 240

tttctgaaca acattgtctt atcctctcaa aaccaaattg tcttatgact ctcaaaatat 300

tccttggcca aaacacttgc caattcaata aggaatcttg atcaatcttt aattgtaata 360

tccttctctt aaagaaagaa aatccttctt cttcttattc aa 402

<210> 4511
<211> 372

<212> DNA
<213> Glycine max

<400> 4511

agcttctatt ctgaatttca agcatctcga tatactacgg gacacaatcg aacatccgag 60

caaaaagtta ttatcgtttg attttgctca cagcttctat tatgaatttc aagcatctcg 120

atatactaca ggacacaatc ggacaaccga gtaaaaagtt attgtggatt gattttgctc 180

aaagcttctg ttctgaattt caagcgtctc tatatactac gggacacaat cagacatccg 240

agtaaaaagt tattgtcgtt taattttggc agaacatctg ttttgaatgt tcaaacgttt 300

tggtatacta cgggacacaa atggacattc gggtaaaaag gtattggccc ttgaattttg 360

ctcagaactt tt 372

<210> 4512
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4512

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atcnntaaaa aaanaannna nnanannaat aatnnnanca tttnnnnccg gagatgggtg 120

caccagcaat gatactaggt gtacctaaca acactctcaa ctaattcaac taattcatac 180

tttatgcttt attggactct cattacaatt ttctaattca ttgataatgt ccaaaactaa 240

attaaattaa taaaataata ctgaatgaac gatgaaacta aaagtgtttg ataaattatt 300

ttatatgaat cttgtataaa tcattttcaa taaaaaaaat tattgaattt ttatctattt 360

ctaattaagt attgtttatt ttagatggtg aacctaacac tctttttaag taaataatac 420

tatccctcta ttttgttaac gttatacagt taaagggtga cagtgtaaag tgtaaggata 480

aaaaagagag gaaagtttgt ataaatctta cgaaatttta aaagtatcaa tataatttac 540

ttacttttt aat 553

<210> 4513
<211> 477
<212> DNA
<213> Glycine max

<400> 4513

gcatgcaagc ttgtgccaaa gttaccctgc cagtcgtgga taggatctta gctttccatt 60

tagtaatttt tcgccagata tttctaatat ggggtttaaa cagctactca tttctcttat 120

gatcctatac taggaaaccc aaataggaat caagattatt agtaatagtc acctgaagct 180

gttgactaag ctccctcacc ttagcttatg agacattagt tgagaagaga acctttgatt 240

tgctcatgtt gatcttctgg ctagatgcat tagcaaaagg gtttaatatc tggttgactt 300

ccccagctgc tacactgaag cttcagccac caaaatcaga tcatccgcac agaataagtg 360

tgagacatta acccaccgag aatggatgcc aggtaccatt ctgaactgaa tcttggatga 420

gatgtgccca tctctgaata cacaacacaa atattttagg gagagaacgg gtccccc 477

<210> 4514
<211> 353
<212> DNA
<213> Glycine max

<400> 4514

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agaattgcac taaccaatca ctacgcatgg ctccaaactc aaaggtggag gactcatgaa 120

cgaaaactca attcatgggc tcccaaaaag ggttgagaat ggagaattgc actaagcaat 180

cactacccat agctccaaac tctaaggtgg aggacacatg aacgaaaacg caatttattg 240

ggtctccgaa aaaggttgag aatggagaat tgcacttagc gatcactacg catagctcca 300

aactctaagg tggaggacac ctgattgaaa acgaaattca tggggcttcc aaa 353

<210> 4515
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4515

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nnaaaagtna aatttattcn nnngccccat gaatggccat caaaagtgac ttggaaacac 120

gaatttaaag agagttttca ttgcccaaac agttttatgc tctcaaaaga ttaagagttt 180

ttctgaactg aaatgtctta tcctctcaaa aagattcctt ggtcaaccac ttgcatattc 240

aataaggaat tttgattgat cttcattgta caatctatct cttttaagag agatttcttc 300

ttctcttctt cttatttctg aaaaaagatt taagagaccg tgggtctctt gttgtagaga 360

attcttgaac acaagggaag ggttgcccct gtgtggttca gactttgtag aaggagtttt 420

acaaagaaga gtgaaaatct caagtgtttg cttgaggact agacgtangc acgagaagtg 480

gccgaaccaa tatanatcaa agttgcattt ctctcttctc taaacttctt tttttattgg 540

tatttatctt 550

<210> 4516
<211> 563
<212> DNA
<213> Glycine max

<400> 4516

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acctatattt tgaaattaat tctttttgat ttattaaaga atttctcttt tccactaaag 120

ctaaactacc cattccattg ctagtcttgt gttttacttg aaatgtttga atatttttc 180

ttgtatcttt tgcatgtaat gatttttgt tgttattagc ttgttaatta tacctttgat 240

tgagaatgat ggtgtgttta gaattagatt agattataac ttttgcatag tattcattaa 300

ttctggatta taatttttat ttttgtgcat cttatcttta atttctatat agtataaatt 360

ataaattttt gaatctataa tctctggtat agtggttatc ctgctacaca tggtatagtg 420

tttttggggc cagccatgcc ttatcatgat cccagattta tgatattacc ctttcattta 480

tttctaagtt ggatgacttg gatctaaact atcatcatct tttgagctgc agttaaacat 540

gtggatttaa tattgataaa taa 563

<210> 4517
<211> 535
<212> DNA
<213> Glycine max

<400> 4517

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gtcagcagag gagcacaagc cacaaaccct tacaacaggt acatatttct gatttaaggc 120

cagctgggtt accaagttaa ccaatgcatc cagtttgcct tcaggcttct tagtctcaga 180

tgatgcagct gagtttgtag ctacctcatg cactcctcta atgactatgg catcatttct 240

ggcgctaaac tgctgagagt tggaagccat cttctcaatt aaatttctgg cttcagcatg 300

agtcatgtct ccaaaggctc caccactggc agcatctatc atacttctct ccatattact 360

gagtccttca taaaaatatt ggagaagaag ctgctccgaa atctgatggt gaaggcaact 420

ggcacataat tttttaaatc gctcccagta ctcatacggg ctctctccac tgagttgtct 480

aatacctgag atatctttct tgatggctgt ggtcctggaa acacggaaaa atttt 535

<210> 4518
<211> 577
<212> DNA
<213> Glycine max

<400> 4518

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aaattgattg caataaaata aatgagataa gagaagagag aatgcaaaca tagttttata 120

ctggttcggc aaagtccgtg cttacttcca atactcaagc aacccgcttg agattttcct 180

ttctctttgt aaattccttt acaacttctg aaccacacag ggacaactca tcccttgtgt 240

taaggaattc ttacaactta agagaccctc agtcccttaa tcaatctctt tgaatgagaa 300

gaaagaaaga agaattctct cttgaagaaa aggatattac aattgaagtc catggagaaa 360

ctcttaatgg atttgcaagt gtttgcctaa gagtttcttt tgagagagca tttggcaatg 420

aagttagatg tgccatcatt ttcttctatt tcttaaaccc tttttgcacc attttaatta 480

ttgattagtc ttaattgcaa attaattagg cagttttatt atttgggctc atttaactaa 540

tttgatgttt ttatctaatt ttagaaataa tgaaaca 577

<210> 4519
<211> 541
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4519

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nntnnaaann nnnnnncccc nnnttcgagt gtctcgatat attatgcgcc tgaatcggac 120

ttttgtgtga caagttatga acatttgaat ttctcgagac ctttcggttt tcaattaaga 180

tcgtctcgat atgtgatgcg ccagaatcgg acttccgtgt gacaagttat gaccattgga 240

atttatcgag accttccgat cttcaatttc gaaggtctcg atatattatg tgcctgaatc 300

ggactttcgt gtgacaagtt atgaacattg gaatttctcg agaccatacg ttgttcaatt 360

tcaagcgtct cgatatatta tgcgcctgaa tcggacttcc gttagacaag gtatgacctt 420

ttgaatttct cgagagcttc cggtttttaa tttagagcgt ctcgatatgt catgcgcccg 480

aatcagactt ctcgggtgac aagttatgac cattggaatt tttcgagagc tttcgatgtt 540

c 541

<210> 4520
<211> 389
<212> DNA
<213> Glycine max

<400> 4520

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aatttctcga gagccttcgt tgttcaattt cgagcgtctt gatatagtat gcgcctgaat 120

cggacttccg tgtgataagt tatgaccatt tgaatttgtc gagagcttcc gattttcaat 180

ttagagcttc tcgatatatt atgaacctga atcggacttc cgtgtgacaa gttatgacca 240

tttgaatacc tagatagcat tcgttgttca atttcgagcg tctcgatata ttatgcgcct 300

gaatcggact tccgggtgac aagttatgac cctttgaatt tcttgagagc atccgttgtt 360

agatttcgag cgtctcgata tattatgcg 389

<210> 4521
<211> 394
<212> DNA
<213> Glycine max

<400> 4521

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agaaggaagc aatgaagatc caccagtaga agtcaaagca aataatgatt ttccaagaga 120

gtgaaaaact tcaagagatc atccccttga caacatcatt ggtgacatct caaaaggggt 180

aactactaga cactctctca gagatttatg caataacatg gcttttgtat ctatgataga 240

acctaaaaat ttaaatgaag ccataataga tgaaaattgg ataatagcta tgcaggaaga 300

actaaaccaa tttgaaaaga atgatgttgg gagttagttg aaaaacctga aaactatcca 360

atcattggaa caaaatgggt tttttaaaat aaat 394

<210> 4522
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4522

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nnaaannnat ggnngnnnga annngcccaa aaattcagtg gtcaatttca aaggtgtcga 120

tatatgatac acgtgaatca gacatccgag agaaaagtta tagccatttg aatttctcga 180

gagcgtctgt tggtcaattt tgagcgtctc gatatatcat gggcatcgat catacattcg 240

agtcaaacgt tatggccgtc tgaatttgcc gagagctttc gtggtcaatt tcaagggtct 300

cgatatatga tgcacgtgaa tcggacatcc gagtgaaaaa atatagcctt ttgaatttct 360

cgagaggttc cgttgttcaa ttttgagcat ctcgatatat catgggcgtc gatcatacat 420

tccagtcaaa agttatggcc gtttgaattt gccaaagctt ccgt 464

<210> 4523
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4523

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atnnagaagt tcgnnccccn nanaaaagct ctgagcagta tcaaacgaca ataacttttt 120

actcggatgt ccgaaagaat cccgtaatat atcgagacgc tcgaaattca aaattgaagc 180

tttgagccaa atctaacgac aataactttt tactcggatg tccgattgtg tcccgtaata 240

tatctagacg cacgaaattc aaaacagaag ctttgagcaa aaatcaatga caataacttt 300

ttactctgat ttgcgattgt gttccgtagt atattgagac gctcgaaa 348

<210> 4524

<211> 622
<212> DNA
<213> Glycine max

<400> 4524

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ccgggttcaa agacaacctt ctttctccct ttgttggctt gtttaacata gcttttattt 120

ttcctctcaa tttgatcttt cactctctca tgaagcttct tcacatagtc cgcctttgct 180

tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaggagtt 240

agtgggttaa aaccataaac aacttcaaaa ggagaacaat tagtggtgct atgaacagct 300

ctattgtaag caaattcaac atggggtaaa caagtttccc aagtttttaa gttcttcctc 360

aaaattgtcc taagcaaagt tcccaaagtc ctattaacaa cttccgtttg cccatcggtt 420

tgtgggtgac aagtggttga aaataacaat ttagtgccca acttgctcca caaagtcctc 480

caaaaatgac ttaggaactt agagtcccta tcactaacaa tgctctttgg caaaccatgg 540

agtctcacaa tctccttgaa aaacaaatca gccacatagg aagcatcatc aacttttttac 600

atggaataaa atgagccatt tt 622

<210> 4525
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4525

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tcaagataca aaggaatgaa tttgtggctg tgaactgcat gtttcagttt gagcatctgc 120

tagacgagac tgtggtgttg aataatccca gggatgctgt tttgagattg attaagaatg 180

caaatcctga catatttgtg catggcattg tcaacggatc ctatgatgta ccattctttg 240

tgtcatggtt ccgggaggct ctctttcatt acactgcatt gnttgacatg cttgacacca 300

acgttgctcg caagaatcca tgaggttgat gtttgagaag gaattgtttg gacgggagat 360

agtgaacatt atagcttgtg aaagttttga gaggggtgaa agagcacaaa catac 415

<210> 4526
<211> 408

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4526

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nnnnnnnttn aannnntccc cnnaattcat gttggaggaa tcatccaaat ctgagatgga 120

caagtccttc acaacaacaa cagtctgtcc ctcattttca gaatgatgct gatccaagca 180

agccatatgt tcctcttcca atacaacaac atcagtcaca acaaagacaa caagcaactg 240

aggctccttc tcaaccttcc ttagaagagt tagtgaggca aatgaccatc cagaatatgc 300

aatttcagca agagacaaga gcctccattc agagtctgac aaatcagatg gggcagatgg 360

ctactcagtt aaaccaagct cagtcccaaa attttgacaa atgccttt 408

<210> 4527
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4527

catcagacca cttccagggt gctggaacta cttcacatgg actngatggg gcctatgcaa 60

gttgaaagcc ttggaggaaa gaggtatgcc tatgttgttg tggatgattt ctccagattt 120

acctgngtca actttatcag agagaaatca gaaacctttg aagtattcaa agagttgagt 180

ctaagacttc aaagagaaaa agactgtgtc atcaagagaa tcaggagtga ccatggcaga 240

gaatttgaaa acagcaggtt cactgaattc tgcacatctg aaggcatcac tcatgagttc 300

tctgcagcca ttacaccaca acagaatggc atagttgaaa ggaaaaacag gactttgcaa 360

gaggctgcta gggtcatgct tcatgccaaa gaacttccct ataatctctg ggctaaagcc 420

atgaacacag catgctacat ccaca 445

<210> 4528
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4528

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acgagacatc ttgccaaaca aagtcaggtt cacgataact cgcttgtgct ttttcttcca 120

tgctatatgt agcaaagtga ttgatccagt aatgtttgat gagttggaaa atgaggccgc 180

aattatactc tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtta gagaaatcaa atgctatggt cctgtttatc tacggtggat 300

gtacccggtt gagcgataca tgaagatctt anaagggtat acaaagaatc tatatcgtnc 360

ggaagcatct attnttgaga ggtacattgc agaagaagcc attgaanttt gttcagaata 420

cttagagaag gctaaagctg ttgggctttc tga 453

<210> 4529
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4529

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tcaactacca caggaaagaa agttgttgga gcaaaatggg tctttcacaa caaactatat 120

gataatggta aagttatgag aaacaaagca tggttagttg ctaaagaata ctcacaagaa 180

gaaagtatag actacaaaga aacttatcca cctgtagcat gtctagaggc aatacatatc 240

ttactttcat ttgcagctta taaaaatatg aagctatatc aaaaggacgt aaaaaatgca 300

tttctaaatg gcttaattca agagtaagtt tatgttgaac aatctccatg ctttggaagt 360

gaaacctttc ctcaacatgt tttcacactc aacanagccc tatatggact taagcaagct 420

cctagagctt ggtacgaaaa actaagttca tt 452

<210> 4530
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4530

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tattagcagc ttcaactacc ccattcatct tgggcctgta tggcgtggaa ttatggtgtt 120

ggatcctgaa atcctcacac atttccttca tcattttgtt gttcagattg gtggcattat 180

ttgtgataat cttcttgggc aacccatacc ggcagattat ctctttctta atgaacttga 240

ccaccacact ccttgtcaca ctggcatatg aagcagcttc aacccatttg gtgaagtagt 300

cgatcgcaac caaaatgaag cgacgtctat tcgaagcctt ggcctcaata gccccaatca 360

catctattcc ccacatagag aatgcct 387

<210> 4531
<211> 429
<212> DNA
<213> Glycine max

<400> 4531

agcttgttgt atagaaatcc tcgttgaatg tgctttttac accgaacaac atttcatttg 60

tttcaaactg atcccatccc ctagaaaaat aaaaaaataa ttgtcaacgt aaaacaaaaa 120

cagaggagct attaagaact gcaataagaa acaaatgaca aaaacctgga tataaataat 180

ggtagtagca atgtcatata ttccattaag cctcatctta ataagtaaag acctagcaca 240

aaatccccta tttcagtttt ggaatgtcag aataattcat aaccagattt tatgccaata 300

ttctttcaat aattccgagg gcgagccctg gtgcagcggt aaagttgtgc cttggtgact 360

tgttggtcat gggttcgaat ccggaaacag cctctttgca tatgcaaggg taaggctgcg 420

tacaacatc 429

<210> 4532
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4532

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ttgctgttct ctctgccaga aaataaaaca tcaatacaga gatagggctg ctgatagaag 120

aatattgcat ggtggcttcc gcatgggtcc aggacagaag aatctgtcgg acatttataa 180

tacaccatct tcacctcgtg atgattgtcc acaagaagct accgccaacg ccttggagat 240

gtcatttgga gctggtagtt atgctagaca acttctacna agcatgggtt ggaaggaggt 300

atcttcttac tttcttatca tcanattact ccctttttatt ttattgaaga ttctaagaac 360

tgctaatata atttcaactc ctatcacaac tttct 395

<210> 4533
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4533

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aacttttcac actgaggtcc gattcaggtt tataatgtct cgatactctc ggggtaagca 120

tcgcaccctc tctagaaatt caaatggcca ttacttttca cacggatgtc cgattcgggc 180

gcataatatg ttgagaggct cgacattgaa caacggacgc tcttgaaact ttgattggag 240

cttaactgga cacacggaag tacgattctg gctactctca tgtcgagacg ctctgtctga 300

aaacccttga tgccttagag aaaaagagat gcgcttttct tttacactat ttaagcaatg 360

ccacatgtct ccatttgagt ggagcaaaaa gggcccactt tccctctttg aat 413.

<210> 4534
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4534

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cgtgttcaat tctgagcctc tctacatatt atgcgcccga atcggacatc cgtgtgaaaa 120

gttatgacca tctgaatttc tcaagagctt tcgatgtgta atttcgagcg tatcgatata 180

ttataagccc ggatcggaac tcagtgtgaa aagtcatgac catctgaatt tcacgagagc 240

ttccgttgtg cattttcgag cgtctctata tgtgatccgc ctgactcgca catccgcgtg 300

aaaagctatg accatctgaa tgtctc 326

<210> 4535
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4535

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tttgaaattg cccaaaataa cgggaagatg atttgggatt aattcatcga gccataatta 120

gctatctata agggcacaac ttaacaaaca cccaatcccc ctcagtaaag aatgtggccc 180

catgatgctt atcaacaacc ttattcatgg attgttgggc acaaagcaaa tgagctttta 240

attgatgcat agccttgtcc ctgtcaaaca atactgacgt gatagaaccc actaatgtct 300

ctctggccaa aagcatagca caaaaggagg tgatcaacca tagacgacct cgaagggagt 360

cttctcgatg gctgaatgca aacaagtatt ttgtaccaat actctaccca cggaagtcat 420

aaat 424

<210> 4536
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4536

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gcataacgta tctagatgct caaaattgaa aaacagaagc tctcgagaaa ttcaaatggt 120

cataactttt aacatggatg tctgattccg aagcataaca tatcgtgacg ctcacaattg 180

aataagagaa gctctcgaga aattcaaatt gtcataaatt ttcacacgga tgttcgattc 240

ggggataaaa tatgttgaga tgcttgaaat tgagagataa aagctctcgt gaaattccaa 300

tggtcataac ttttcactcg gagttccgat tcaagacact tgaaattgac caacggaagc 360

tttt 364

<210> 4537
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4537

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gaatgtatgt atacatgatt ntgatgatgt caaagaagaa tctaacaagg ctgcttcaaa 120

tgataagcat ttgcttcaag aataattcaa gattgcttca acaaacaaag ccttgtttca 180

agattcacta aagaccaagc cttgccttaa aacaaagtgc tttcaagaca tgcaaggctc 240

tggtaatcga ttaccaggaa gtgtaatcga ttaccagaag acagggttga gaaatagctg 300

ttgaaaaatg ttttgaattt gaattttcaa catgtaatcg attaccatat gtctgtaatc 360

gattaccagc aacgaaactt tggaaattca aattcanaag tcatataccc ttcaaatata 420

actgtgtaat cgata 435

<210> 4538
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4538

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cgagggtctt tatatgtgat gcgccttaat ctaacatccg tgtgaaaagt tatgaccatt 120

tgaatttctc aagagcttct gttgttcaat ttcgagcctc tcgacatatt atgcgcccga 180

atcggatatc cgtgtgaaaa tttatggcca tttgaatttc tcgagagttt ctgatgcttt 240

attatgagcg tatcgatata ttataagcct gaatcggaca tccgtgtgaa aagttatgac 300

catttgaatt tctcaagagc ttccgttgtt caatttcgag cgtctcgaca tattatgcgc 360

ccgactcgga atccgtgtga aacgtatgac catctaaatt tcgcgagagt cttcgacgtt 420

taatttcgag cgtatcatat attataagcc t 451

<210> 4539
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4539

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gccatgactc ttcacacgga tgtccgattc aggcgcatag tatgttgaga cgctcgagat 120

tgaactacgt aagctcttga gatattcaca tgggcataac ttttcacact gatgtccgat 180

tcaggcttat actatatcga tacgctcgaa attgaacatc ggaaactctc gagaaattga 240

aatggtcata acttttcaca cggatgtcct attcggacgc ataacatgtc gcgaggctcg 300

aaattgagca atggaagctc tcgagaaatt caaatgcgca taacttttca cacggatgtc 360

cgactcaggc atataatata ttgatacgct cgaaattgaa catcggatac tctcgag 417

<210> 4540
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4540

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agaagaatgt ggcatttacc tgcggtgaaa aacaagagca agcctttgct ttgctcacag 120

aaaagcttac taaggcacct attctagctc ttcctgactt ttctaaaact tttgagctag 180

aatgtgatgc ctctggagtg ggagttagag ctgttttgtt acaaggtggg caccctattg 240

cttatgttag tgaaaaactt catggtgcca cccttaacta ccccacctat gataaagagc 300

tttatgcctt aataagagca cttcgaactt gggaacatta ccttgtttcc aaggaatttg 360

tcattcataa tgatcatcaa tcacttaagt tcattagagg gaaaagcaag ttaaacaaaa 420

ggcatgcaaa atgggtagag tacct 445

<210> 4541
<211> 433
<212> DNA
<213> Glycine max

<400> 4541

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agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgaga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcacaaag 360

caatccaagt agagcaacaa ttaaaaagga aaggagtggc taagaggagt tttaccaact 420

ttggttcctc tag 433

<210> 4542
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4542

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gcagccattg cttggctcag aggaccccgc agtggagggc aggaccatta ggtccaaaga 120

cactatgcaa tgcatgtgga gtgaggtaca agtctggtag gttgctacca gagtataggc 180

cagccaagag tcctactttt gttagctact tgcactccaa ttcccacaag aaagtcatgg 240

agatgaggat ggctgttttc tccaccattt ctagtgagca gtagtagtgg ttgttactta 300

ttagaggtat atttctatgt aaaaaaaaaa aatcaaactt caaattttat gaacaaaaaa 360

ctatttggca aacagagaga tactgttaag gggagagtgc ttaatgctat gatngattat 420

aggcacattt attatatgac ttattat 447

<210> 4543
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4543

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acgagacatc ttgccaaaca aagtcaggtt agccataact cgcttgtgct ttntcttcca 120

tgctatatgt agcaaagtca ttgatcctat gaagtttgat gagctggaaa atgaggccgc 180

aattatactg tgccagttag agatgtattt tccccctact ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cttgtttatc tacggtggat 300

gtacccgatt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcttct 360

agaagcatct attgttgaga ggtacattac agaagaagcc attgaattnt gttcagaata 420

cattga 426

<210> 4544
<211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4544

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gctcctaccc ttatttatac tactccacct ccacaatgaa tggtggagat tacatgtatc 120

ctagggtgga gattaattct ctagaatgct ccacacattc taggagtctc tacactcttc 180

tactcttttt catatccttc cataaggttc cagaaggttc cacacatctc tagaatattc 240

cagaggtttc cacattcttt cacaagcttc tagagagttt tacactactc tagagttctc 300

caggacgttc tagaaaattc tacacttttc cagaaagctc caaaattttc tagaacctct 360

cgaattaagg agggatccca acactttcca gcaaatggta ttcgaanagg ctctgtgcaa 420

aaaatgc 427

<210> 4545
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4545

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gatgtccact tgagtcccgt aatatatcga gacgctccaa attcaaaacg gaagctcgta 120

gcaaatgcaa accgcaataa cttttaacta agaagtccga ttgagtcccg taatatatcg 180

agacgctcga aattgaaaac agaagctccg agcaaattca aacgagaata actatttact 240

caggtgtccg actgagtcct ggaatatatc gagacactcc aaattgaaaa cggaagctct 300

tatcaaattc aaacgacaat aacctttntc tcagatgttc gattgagtcc cgtaatatat 360

cgagactctc caatttgaga acggaagccc ttatcaaatt caaaagacaa taactttnta 420

ctcggatgtc cgattgagt 439

<210> 4546
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4546

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cgtctccaat catctttctt ccttctccat tccactgcca tgatcttcaa gaagcaaagg 120

actccattga tgaagaagat tcaaggccta cacacccctt gatggaagct tgcttgtgaa 180

gcttctatgg aggctggatc tttgagctgc aatgaggtcc ctcaatggtg attttacacg 240

atggagatgc actggtagat aaaggagatg acgtgagagg aagcaccttc cactagggag 300

tatgccatgg aacaaagagc atgaccgcca tgaaagtg 338

<210> 4547
<211> 448
<212> DNA
<213> Glycine max

<400> 4547

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attcttcatt gcattgcaca tccggttctt ccttcaaact tcaccaccac catcatcatg 120

ggaaagttct atcttcaaca ccactcacaa tgagctcaat tccacggtcc ataagcttgg 180

ttcctcggtc acgtttcttc cactcaagga tctccgttat gcacgtgcac ctcttgaagg 240

ccacacatgg ttcatgagtt ccatgtatga cacacatgaa gttggtgagg tccaatacca 300

gcaattccca tcagaaccat cacatggtaa gcttctatgt ctcaaaggat gcgacacgca 360

tgtcgggtca tggaactcct atgctttggc atggcctgag gcattgcctt ataacaccac 420

cttcatgaag gttaactttt gtgtcata 448

<210> 4548
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4548

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aaactaacct agggctcatc catggctcat acacctgggt aattcttatt atagtcattt 120

ttttggcctg ccttggtaaa gttgttggaa ccattttggt tgcattgttt tatgaaatgc 180

caatacatga aggagctgcc cttggtttac tcatgaacac aaaaggcctc gttgaaatgg 240

tcgtgcttaa tgttgggaag gaccagaagg tgctaatact ataatcaata atgttatatt 300

atatccttct attatcttca atacataaag cattcaatac tttgtttaac aaatatgaag 360

aaaattatat gaggagaatt atgctagtag ctcaatcaat tcctctctag atgagtggtt 420

tatacatgtn gatcatttac 440

<210> 4549
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4549

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cactatggtc ctggccaatt ttctcgtgat atataaccaa gttttattaa cattttcttg 120

taattggaaa aactcggtta cacatcatgt ggagattgat taggattcag gactaaagat 180

atgaggtgga gtcacatcat acaataattt ctccgaaaat agagaaatgg aagaaacata 240

ttgaggaaaa aataagttat atttataaaa aaatattctt taaattgtaa aatggaaacc 300

tttatttggt ggctgactga tttgtaggtc acactttgga gcagccttct caggcatggc 360

atatggctnt ttaactagtc caatacttca gttgaatgat tcatcatcag gaactggtca 420

agaaggactt aaacttgtta gaaaatatgg tgattctt 458

<210> 4550
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4550

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gaccaatgtt ccttgggttc attgcaagaa gcaggattta cttcttggtt gatcactgga 120

cacaaaagac caacatcttt tgggttcatt gcaagaagtg ggtacaactt cttggttgtt 180

atcactggac acaagggacc aacgttcctt gtggttcatt gcaagaagtg agaataactt 240

cttggttgta atcattgaac acaaaggagg ggattccttt gtggttcatt gcttgtcaag 300

gattttacaa ggatagtgga aatctcaagc acgttgcctt gggattggac gtacgcacgg 360

gttgtgtccg aaccaatata aatccgngtt tgcattctct cttcccttа 409

<210> 4551
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4551

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tggnggggga ttgaagtgat tgtggatgcg ttggtgttgg agctaggggg aatggatatg 120

gagttaggag ttgcctggtt aagcactctt gggaaggtga ttatggattg gaaggccatg 180

actatgcaat tttcttatga aaatgagttg gtgaaattgc aaggtcaagg cagtaaggtg 240

gtcagacaat gttatttgaa ctcctatctt gaggatactc atagcagaac tgagctgggt 300

tggtggtggg ttcatctaca gtcaatggaa gcaaccaagt cagtggttcc caaaggctta 360

aaacctatac tagaagaatt ccaggaagtg tttggaaaca acattcagct acctcctgag 420

aggagtcagg tgcatcggat ta 442

<210> 4552
<211> 452
<212> DNA
<213> Glycine max

<400> 4552

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gaaataaaat tcgacaaaaa tataagagtt tgagataaaa tttgtcaaat aaataatatt 120

atgatcttat taaaatgttt aatggtgctt aattttaaaa attttctaag ttttctacca 180

taggagctct ttttttcacc ccatccatgt tgtcacatgt gggtgaaaag aggaaagaga 240

gggatgggat ttctcttgct ttaggcataa cgggccaaag tgggaggccc acacgaaggg 300

ttattagctc agtagtaaag tgtgtccttg ataattgtgt cggcttggag tggagtgaga 360

catgtcattg aatagcaagg agatagccac ttcgttatga aattagaaaa gttaagagcc 420

cttcattcat ttggataatt tcgaatgaag at 452

<210> 4553

<211> 397
<212> DNA
<213> Glycine max

<400> 4553

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agacctccaa tctttaatgg agagggttac cattactgga aaacccgaat gcaaattttt 120

attgaggcaa tagatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180

acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagaataac tatagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaactt aaaagccaaa 300

aatataataa catctgccct gggaatggat gaatatttca gggtttcaaa ttgtaagagt 360

gctaaggaaa tgtggaacac tcttcgatta acacatg 397

<210> 4554
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4554

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tctatcagaa actatgctag aaggaacacc gtgtagtcta actatctcac tgacgtacaa 120

gctagtcaac ctctctaaag aatatctgat gtttattggg atgaagtgag cagatttggt 180

caacctgtct acaataaccc aaatggaatc taaacctttg ggggtcctag gtaaccccac 240

tacgaaatcc atggagatgc tatcccactt ccactcaggt atctctaaag gttgcaactt 300

ccctgaaggc ttctggtgtt ctatcttagc tttctgacac actaggcatg caaggacaaa 360

ctcattaact tctttcttca gacccggcca ccaaaacatc tgcctaaggt cctggtacat 420

cttagtcgct cccgggt 437

<210> 4555
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4555

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cctagagaca tacacatggc acttaaaata tcctttgatg ctctgggtta cctcgagaag 120

gaggtttttc tagacattgc atgtttcttc aatggatttg aattagcaga gatcgagcat 180

atacttggtg cacatcacgg ttgttgtttg aaatttcata ttggagcatt ggtggaaaaa 240

tctcttataa tgattgacga gcatggccgt gttcagatgc acgatttgat acaacaaatg 300

ggtagagaaa ttgttcgaca ggaatcaccg gagcaccctg gcaaacgcag taggttatgg 360

tctactgagg atatagttca tgttttagaa gataacacgg tgagtaagac tgagatcaat 420

ggtttgatct tcattnttag cattga 446

<210> 4556
<211> 221
<212> DNA
<213> Glycine max

<400> 4556

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atgtccccga atcggacacc tgtgtgaaaa gctatgacca ttcgattttc tcgagagctt 120

ccgttgatca atttcgagcg tctcgagtta ttatgacccc gaatcggaca tccgtgcgaa 180

aacgtacgac catgcgactt tctcgagagc tgccgctagg c 221

<210> 4557
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4557

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gatatcttaa gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120

tctatttctc tttttactca agttatgaat tcccttaaag acaatcttct taaatattaa 180

ttcaaacgaa gcaacttgaa tgtgaatata aagcaataat aaataaaaga gattaaggga 240

agagaaaatg caaactcagt tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300

cctcaagcaa cccgcttgag agttccacta acttgtaaat tccttntaca agttctaaac 360

acacaangac aatccttcct ttgtgtttag agatccttta caacaagaga ctcacagtct 420

cttaatc 427

<210> 4558
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4558

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acagtggcca aagatgcatg ggagatcctg aaaatcactc atgaaggaac ctncaaagtg 120

aagatttcca gattgcaact cttggctaca aaattcgaaa atctgaagat gaaggaggaa 180

gagtgtattc atgacttcca catgaacatt cttgaaattg ccaatgcctg cactgccttg 240

ggagagagga taacagatga aaagctggtg agaaagatcc tcagatcctt gcctaagaga 300

tttgacatga aagtcactgc aatagaggag gcccaagaca tttgcaacat gagagtagat 360

gaactcattg gttctcttca aacctttgag ctangactct cggatagggc tgaaaagaag 420

agcaagaatc t 431

<210> 4559
<211> 420
<212> DNA
<213> Glycine max

<400> 4559

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aaattatgcg ttgattgcta agatcacatt catttcgagc gtctcgatat attacgggac 120

tcaatcagac atccgagtaa aaagttattg tcggttgaat tggctccgag cttcaacatt 180

ccatttcgag cgtctcgata tgttacgaga ctcaatcaga catccgagta aaaagctatt 240

gtcgtttgaa tttgctcaga gattcaacat tgaatttcga gggtctcgat atcttacggg 300

actcaatcag acatcccagt gaatagttat tgtcgtttga attggctcag agcatcaaca 360

ttcaatttcg agggtctcga tatattacgg gactcaatca gacatccgag taaaaattta 420

<210> 4560
<211> 438
<212> DNA

<213> Glycine max

<400> 4560

tcaacctaga ggagacgaac cattccaagt gttggagaag atcaacgaca atgcctacaa 60

gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg atctatctct 120

ttttgatgca gatggaggag ccttggattt gaggacaaat ccttttcaag gagggagtga 180

tgaggacata accaagggca aggaccatga agcacttgaa ggtcccatga ccagaggcag 240

acttaaacaa gcccaacaca tcatagagac aaggctggtc atttgtatag ctgtcattga 300

tgatgattga aggcccaagt ggagaaagat gaaggcccag aggcagaggc actaccaaga 360

ctactaattg ttgctgaagg cccaaactaa cttgaaggcc caagttaaat aagttcttag 420

ttataattta attttatt 438

<210> 4561
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4561

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atggttcatt ggataaatgg atattcaaca agaacaaaga ggaatttcag ttggattggg 120

atacaaggta taacatagca cttggaatag caaaaggact tgcttatcta catgaagatt 180

gtgactcana cattattcat tgtgacatta aaccagaaaa cgtgctccta gatgataatt 240

tcagggttaa ggtttctaat tttggtttgg ctaagctcat gaaacgtgaa caaagacatg 300

ttttcacaac actt 314

<210> 4562
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4562

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tttcttgtca cttggatcat cttacatgta cccttccctg gctgctgcta acgctgctgt 120

gatttctgct ggtgaagaaa ttgcgacgca gggattgcca ttggggattt gtcccctggt 180

ttgtttattt actggttcac gaaatggtat ggtgttagga aatgatactc tatttttata 240

aatgctatcc tttcttaagc ggacatgaaa ttaaactaat ccattcatga accaatgttt 300

ctgatatccc atttattttt gcctaataaa tgtttaaaag tgtcacttgt gctgactttt 360

gaatccttca tctcctgtag tttgctctgg tgcacaggag atatttaagc ttcttcctca 420

taccntctgt gatccatcta aactacg 447

<210> 4563
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4563

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aatctgtacc tatcgcaagg gtttgcggct tgtgctcctc tgctgaccac catacagacc 120

tttgcccttt catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240

tttccagcaa cagatacaac cctggatgga ggaatcaccc taccccttaga tggtccagcc 300

ctcagcaaca acaacagcag cctgctcctt ccttccaaaa tgctgctggc taagcagacc 360

atacattcct tcacaatcca acaacagcaa caaccccaga aac 403

<210> 4564
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4564

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ctcaccaacc ataagcacag acacatagtt gatgtcctac acaggaacac ggacctgttt 120

gcttgatagc cttctgacat gtagggaatc caccccaaca ttatctgcca caagctcatc 180

atctgtcccc aggccaaact ggtatcacaa tataagagga agatgggaga agaatgatac 240

aaatcggtta gagaagaggt ggacaagctc ctcaatgcca acttcatcag agaagccaga 300

tattctacct agctcgccaa tgtcgtcatg gtcaaaaagg ctaatgaaaa atggcaaatg 360

tgaatcaatt atactggtct gaatagggcg tgccncacag atgcatacct tctgcccaac 420

atcgatagac tagtcaatgg agtgtccgag ttccaagtac t 461

<210> 4565
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4565

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gatatacata accaaaaatt gactacaaat tataaaggag gtctattntg ttgtcaggac 120

aacttacaat gcaagcaaat agagggtttt caaggttcaa ggagaatggt ttccttaaga 180

tacaaaatta gttgggttga ttggaacata taccaaatac cagttaaggt ttacatactt 240

gattccaccg acaaagtgag gtcaaatggt tccaaaatac ttcatgattg tctggtagat 300

aagttnttca agacagtact ctatgataaa acaatatact tctcaatctt attagagtga 360

gtgaacaaaa gtaaatctta attccttgca ggcagagtat acc 403

<210> 4566
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4566

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attctcaaca gtcacatgtt tttacttggt tcttgaatgg ccatcaaagg cttatatata 120

tgtgacttga gacacgaatt tgctaagagt ttttcagaac aaaagggtct tatcctctta 180

aaaagcaaaa tcgttttatc ctcttacaaa ttccttggcc aaaacacttg tgattcaata 240

aggatctatt tgagtgctca aattgttcaa tctatctctt tcaagggaga ttacttcttg 300

tcttcttctt tattctgaaa aaaggattaa gagaccgacg gtctcttatt gtaaagaaat 360

ctgaacacaa aggaagggtt gtccttgtgt ggtcacatct tgtatacgct ttaca 415

<210> 4567

<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4567

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gactgaactc atgagtcatg aattacttta agatggataa tgcaaccttt ctattgaaca 120

ctcgatgctc ggcgcatcgg aagacgcaac atgtggttct gtcattgcca atccagacct 180

aattgtccca tcaagcctag gaattagcca ttcttgtagt tgttctttat ctccatagcg 240

cagtaatacc taaacgtaac gaactgctac gaaattagac aaaaatgcac catagataga 300

gcgcatgcta aatatgatca acccacaaga gaatccaatt aagttcagtc agttattgat 360

caaccaagca aatccatgag tttcatctta cctccatatt acctggtgca cgtgcaccac 420

aactaaacac tcgtggagcc caaag 445

<210> 4568
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4568

agctntgaga gggagtttgg gacttaccga gtactataga agattcattt gcaactatgg 60

acaaatagct cgacccctag ctgatttatt gaagaaggaa aatttcaagt ggactactaa 120

aagtattgag gactttaccc agttgcagca ggctgtcacc acagctcctg tactatcaat 180

gccaaatttc tcaaaaaaaa tttccatata atgtgatgca tccggaaagg gagtaggggc 240

tgtgttaact caagaaaaaa ggcctattgc ttatttcagc aaggctctgg cagattcaac 300

actcactaaa tcaatntatg aaaaggaatt gatgacccta gttctagcaa ttcaacactg 360

gaggccttat ctcttacgtc agacatttac tgtngttact gatcagaaga gtctaaggta 420

cctcttggag caaaaaataa ca 442

<210> 4569
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4569

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ttgcgacctc tgacttagac ttgagaaaac aaatccagcc cattctggtg aaatcatcta 120

taaagatgat gtaatattta ctctctttaa gcgaagcagt cctttgacgt tcgaccaaat 180

ctgtgtgaat caaatgtagc ttctctgttg ctcttcacgt tgattgtttg aagggtaatc 240

ttgcttgctt accatattga catgcttcac aacttgttaa tttataatct aagtgaggga 300

agccatgaac caactgcttt cgttgcatgt tcagcacaat tgcatgatga aaatgaccta 360

acctttttgtg tcaagcctct gtactgttta cagtanctgg ataggctgct tgctcctcct 420

ttagtgggtc aaatg 435

<210> 4570
<211> 215
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4570

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tgaatgtgct caaagcttca aaattcactt tcgagcgtct ngatatatta cgggactcaa 120

ttagacatcc gagtaaaaag ttattggtcg tggaattggc tcagagcttc aatattcaat 180

tacgagtgtc tcgatatatt acgggactca atcag 215

<210> 4571
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4571

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atatatcaag acgctcgaaa ttgaatgttg aacctatgag ccaattcaaa cgacaataac 120

tatttaatcg gatgtctgat tgagtcccgt aatatatcga gacgctcgaa attgaatgtt 180

gaagctttag gcaaattcaa acgacaataa ctttctactc ggatgtctaa ttgagtcccg 240

taatatatcg agacgctcga aattgaatgt tgaacctatg agccaattca aacgacaata 300

actttctact cggatgtctg attgagtccc ataatatatc gagacgctcg aaattgaatg 360

ttgaacctct gagccaattc aaacgacaat aactctttac tcggatgtcc gattcagtgg 420

tgtaatatat c 431

<210> 4572
<211> 435
<212> DNA
<213> Glycine max

<400> 4572

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aaaaaagtta ttgtcgtttg aatatgctca gaggttcaac attcaatttc gagcgtcttg 120

atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaaatggctc 180

agaggttcaa caatcaattt cgagcgtctc gttatattac gggactcaat cagacatccg 240

agtaaaaagt cattgtcgtt tgaattggct ctgagattca acattcaatt tcgagcgtat 300

cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaactagc 360

tcagagcttc aacattcaat ttcgagcgtc tcgatatatt acgggactca atcagacatc 420

cgagtaaaag ttatt 435

<210> 4573
<211> 441
<212> DNA
<213> Glycine max

<400> 4573

agcttcttag tctcacctga tgaagatgaa ttcgtggcta cttcatgcac tcctctaatg 60

acaataacat catttctggc actaaattgc tgggagttgg aagccatctt ctcaattaaa 120

tttctagcta cagcaggggt catgtcttca aaggctccac cactggcagc atctatcata 180

cttctttcca tgttattgag tccttcataa aaatattgga ggagaagctg ctcagaaatc 240

tggtggtaag gacaactggc acatagttta ttgaatctct cccagtattc atataagctc 300

tctccactga gttgcctaat tcctgaaata tcttttctga tggtcgtggt cctagaagca 360

gggaaatgtt tttctaagaa tactctcttg aagtcatccc agctcgtgat ggaccttgga 420

gcaaggtaat ataaccagtc c 441

<210> 4574
<211> 398
<212> DNA
<213> Glycine max

<400> 4574

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agagacttgc agggcaatct ttctactatt ttttggatgg ctactcaggt tacaatcaga 120

ttgcagtaga tcctcgagac caagaaaaga cagctttcac atgtcccttt ggtgtttttg 180

cttatcgccg catgccattc gggttatgta atgcacctgc tattttccaa agatgtatga 240

tggctatttt tgctgacatg gtagaaaaat gtattgaagt cttcatggat gatttttga 300

tttttggtgc atcttttgag aactgtttag cacatctaga gaaagtgtta caacgctgtg 360

aagaatccaa tctggtgctt aactgggaaa aatgtcac 398

<210> 4575
<211> 413
<212> DNA
<213> Glycine max

<400> 4575

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ctatcaatga ctcacaacaa gtatgtgcgt gatttgctat cataaaacat aaatggctga 120

ggcacattct atctgcactc ctatggttac caactgcaaa ttatctaaac atggggctga 180

tctatctcat gatccaacac tctatatatc agtgggtgcc ttgcagtatg ctatccttac 240

tagaccagaa atcagctttg ctgttaataa cgattgtcag aatatggtta atctcttgga 300

ttctcactac gctgtggata aaacaatgtt gagatatctc aagggtacac ttggtcatgg 360

tctacttatt caacacgctc atgtttcaaa acctatcgca ctttatgctt tct 413

<210> 4576
<211> 292
<212> DNA
<213> Glycine max

<400> 4576

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tgctcagcct atcaacaaca acaaagatta cttgtttgcc caaagaattg ggaagaccct 120

ctatgaagtc catgggaatg tgcttccaaa tcaggatcat ggactacaag tgggtgtagc 180

aacccacggg aagcagaatt atcatactta cattgctggc aggtagtaca ttgatggaca 240

aacctttaa cgaccttaga taacccttc tagtacacca atgtcttgac tc 292

<210> 4577
<211> 240
<212> DNA
<213> Glycine max

<400> 4577

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cagatacctt tgaagtattc aaagagttga gtctaagact tcaaagagaa aaagactgtg 120

tcatcaagag aatcaggagt gaccatggca gagagtttga aaacagcaag tttactgaat 180

tctgcacatc tgaaggcatc actcatgagt tctctgcagc cattacacca caacaaaatg 240

<210> 4578
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4578

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atgcagggaa gaatttctcc aagaacaccc tcttaaggtc atcccagctg aaaatggacc 120

tgcgagcaag gtaagatagc caatcttttg ccactccctc cagagaatga ggaaaagcct 180

ttagaaagat atgatcttct tggacattat ggggcttcat ggtggaacaa acaatatgga 240

aatccttaag attcttatga ggatcttcac ctgtaagacc atgaaacttg cgcagcaaat 300

gtattagtcc agtcttgaga tcatatggaa caccctcatc aggatattga atgtacaagc 360

tttcataagt gaaatcaggt gcagccatct ccctaagagt cctctcgcga ggtggaggtt 420

gagtcatgtt ctcagta 437

<210> 4579
<211> 315
<212> DNA

<213> Glycine max

<400> 4579

agcttaagga gcttgtttta taccatacaa gcctttgttt agtttgaaaa catgataagc 60

gtagatagaa ctctcaaact caacggttgt tccacatata cctcttgctt gattagtcta 120

tctaggaaca cactttctac gtccatttaa tgcagcatca taccgtgatg ggcaacaaag 180

gacaataaaa tgtgtatttc ctctatacaa ccaataggag ccaaagtttt agtataatag 240

ataccatctt gttgcgagta accttcggct acaagcttag ccttgttcct cccaacctta 300

catgtttcat caaac 315

<210> 4580
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4580

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cgacacttca aaccattctt tgtcttgcct ttaatggtaa gaatggtccc aattgaacta 120

tcacagacat ttttctgcac atgcatcaca tcaatacaat gtctaacatc aagattggac 180

tagtaaggaa gatcaaagaa tagttacctt ttcttccata tgtttggctc agacgatgct 240

ntctttnggg tctgtccaaa gacagctgtg atgtcattca cccgatcata aacttatttt 300

ccttgcaatg gatttggcac agtctcattt tcctg 335

<210> 4581
<211> 288
<212> DNA
<213> Glycine max

<400> 4581

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cacataatta tgactcatca ttataacact ccccctcaag ctggagcata taaatcatat 120

gctccaagct tggaacatat aacctgaatc ctatgccccc ttaagggttt agtcaaaata 180

tctgctggct gatcactgga gttaatgaac tcagtgacaa tatctttaga cagtgatttc 240

tcccgaatga agtgacaatc aatctcaatg ggtttcgttc tctcatgg 288

<210> 4582
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4582

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ttttatgaca tttgaatact tagtatttct tttaatactt gcttactatg actgaacatg 120

atgattttat tgacttgctc ttggttgctt atgattatgt gttttaaact taattacttt 180

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atttattcat atatgctttt ttcgaatatt atgaatgact ttctggatta tatgacattc 300

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attctcgcga tttggnttat attatgacat atgaa 395

<210> 4583
<211> 429
<212> DNA
<213> Glycine max

<400> 4583

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actcatctag acgcctgaaa ttgaacaacg gaagctctcg agaaattcga atgctcataa 120

gttttcacac cgatgtccga ttcggggaca taatatatcg agacgctcga aattgaacaa 180

cggaagctct cgagaaattc gaatggtcac cacatttcac tcggatgccc gattcgggaa 240

cataatatat cgagacgctc gaaattgaac aacggaagct ctcgagaaat tcgaatggtc 300

ataagctttc actcggatgt tcgattcggg gacataactt atctagacgc tcgaaattga 360

acaacggaag ctctcgagaa attcgaatgg ccatacgttt tcacacagat gtccgattct 420

gggacataa 429

<210> 4584
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4584

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tggcaatacc gtgccctttg tcctgngaaa gagttgcaga cctgcaagga acattaccat 120

gcaattctgt ggagggtgca acattaagat tgctgggctt ggctccatat agtgatgcag 180

aacctgctgc agctggccaa aatggattca tcctcgcgat tncgtggtga tacaaaatat 240

tgcgagcaat gtagcagtgg gtggcacacc tttt 274

<210> 4585
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4585

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aaaacaacat ttatcattga agatgccaac ttttgctaca gggtcatgcc tttcagtcta 120

aaaaatacag gtgctacata ccaatgacta atggaccgag tctttaaata gcagatcggg 180

cgaaacgtca acgtatgtgg cggacctgga agaagtcttt ggggaactct gcanatatga 240

catgcgcctc aaccttgaaa aatatacttt tagggtaggc gaaggcaagt tcctcggctt 300

catgatcact cactgggggga ttgaagccaa ccccgacaaa tgcactacca tactggagat 360

gtgtagccca accaacgtcc aagaagtnca gaagttgaat ggtagggcta gcatcctg 418

<210> 4586
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4586

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acttgggggga gcaattggtc ctcgatcttg tgatcatgtt cctcacgttt aattctgtct 120

tatgttgtgt tttgcatgat acatgatatg ccttactttt ttcatttttt attttgggat 180

gtctcttacg agataaagga attttgtagc ctggtgaaga acctttgcca attgatccct 240

ggctcgtggt tcctgacaag agcagatatg tcgatcaaca aaccttgaag atgcaagaaa 300

atccagagga gtactaatac aagattgatc ttaaaaacac ttttaagtca cttg 354

<210> 4587
<211> 303
<212> DNA
<213> Glycine max

<400> 4587

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ttcttgtgta tgagcacatg gctaatggcc cctttcgttc tcacctctat ggctccaacc 120

ttcctctttt gtcatgggaa aagaggcttg aaatatgcat tggtgctgct cgtggcttgc 180

actatctcca cactgatgca actcaaaata ttacacaccc tgatgtgaaa acaacaaacg 240

tcctgttaca tgagaactat gttgccaacg cttctgactt cggtttgtca aaagctgtcc 300

cac 303

<210> 4588
<211> 450
<212> DNA
<213> Glycine max

<400> 4588

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acaattcttc tgcacaccaa gtcttgctcg caatcttcaa aaatcttcaa atttgagaga 120

cttggtgaaa atatctgcaa cttgatcttg agtcttcaca tgagtcaatt ctactacttt 180

cttggcaatg cactctctaa tgaaatgata ccttgtatct atatgcttac ttcgttcatg 240

gaacaccaga ttcttggcaa gctcttgtgc agatctatta tcaacataga tctttgtgct 300

ttccttctgc aacaagtgaa gttccttcaa caatcttctt agccaaatgg catgacatgt 360

gcaagaagtt gcagctatat actcggcttc acaagtagaa agtgtcacaa tgacttgctt 420

cttagaactc catgtaaaaa cacaatcacc 450

<210> 4589
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4589

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atgtaaatgt atgtatacat gattctgatg atgtcaaaag aagaaccaaa caaggctcat 120

ttgcttcaag attaatacaa gattgcttca acaagcaaag ccttgcttca agatttactt 180

aagatcaagc cttgccttaa aacaaagtgc ttttaagcca ttcaaggctc tggtaatcga 240

ttaccaggta gtataatcga ttaccataag acagggttga gaaatagctg ttgaaaagga 300

ttttgaattt gaattttcaa catgtaatcg attaccatat gtctgtaatc gattaccaac 360

aacgaaactt ttgaaattca aattcaaaag tcatgaccct tcaaattata actgtgtaat 420

cgattacanc aaacattgta atcgattacc 450

<210> 4590
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4590

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cctataggtt ggacctccca gaagagtatg gagtcagcac cacttttaac atttctgatt 120

taactccttt tgcaggtgga gctgatattc atgaggagga actaacagat ttgaggtcaa 180

atcctcttca aggggaaggg gatgatgcaa tcctccctat gaagggacca atcactagaa 240

ccatgagcaa gaggctccaa gaagattggg ctatagctgc tgaagaaggc cctacggttc 300

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tacatattag actangatgt cattatattt ggtcctcgta tatagggctc catattg 417

<210> 4591
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4591

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gaatgtatgt atacatgant ttgatgatgt caaagaagaa tctaacaagg ctgcttcaaa 120

tgataagcat ttgcttcaag aataattcaa gaatgcttca acaaacaaag acttgtttca 180

agattcacta aagaccaagc cttgccttaa aacaaagtgc tttcaagaca tgcaaggctc 240

tggtaatcga ttatcaggaa gtgtaatcga ttaccagaaa acagggttga gaaatagctg 300

ttgaaaaagg ttttgaatct gaattttcaa catgtaatcg attaccatat gtttgtaatc 360

gattaccagc aacgaaactt tggaaattca aattcacaag tcataaccct tcaaattata 420

actgtgtaat cgattacaca aacattgtaa tcgatta 457

<210> 4592
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4592

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ctctctcaca agtaatttcc taatggatcc ttgaggtatg caaagctntc cctctttgaa 120

caaatactcc atctccaaat agaatccatc ttaggccttt ttcccacaac tctcgtaatg 180

ggagagaaat gttcatctaa agcatacaag tccctaatat tatcaaatcc taaaatttga 240

gctcctacgg agcaaaacaa tgtgtatctc ctaaataggg catcagctac cacatttgat 300

cttccctttc tgtatttgat aacatatgga aatttctcta ggtactctac ccatattgca 360

taccacttgt ttaacttgct ttgcccttca atgtacttaa ctgattgatg atcactacaa 420

atgacaaatt ccttggaaa 439

<210> 4593
<211> 446
<212> DNA
<213> Glycine max

<400> 4593

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cagcacagac cagaagaaga ctgatgcatc tattaaaaat ctagaagttc aagtaggaca 120

actggcaaaa taactatccg aacaaggaag tggatctttc tcagcaacca cacaggtcaa 180

cttaaaggaa cattgtaatt taattacaac aaggttgggg actatggttg gtttgaagga 240

taatgatgaa aaaagaataa aaaaagagtt gaaaaagaca acgagaaaaa tgatgaagtg 300

atgactagtg aaaaagtgga agacaaagtg gtaagtgaag aagagaagaa gaaatcaaat 360

gaacaaacca gtaataaagg taaagctata gtaaaccatc caccaattga gcatcttcct 420

tatccgcaag ctctgtcaaa gaaaga 446

<210> 4594
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4594

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aaaataagga aacttgaacc cattaaagac aacatcttta gatatatata tctttcctat 120

aggtgaaaga cacttaaatc ctttgtgaga agtagaatat ccaagtaaga cacgctcatg 180

agaccgaaat tctagtttct gactattgta gggtcttaag aaaggatagc atgaacatcc 240

aaatgatttt aagaaattat aatcaagggt atgtttaaac atagtagtaa aaggaacttc 300

aaaatttaag gatgaagtgg caacctatta atgagaaaaa caattgttgt aaattcaaat 360

tccctaaatn tgagtggaag ggaggcctgt ttgagaagag taagtcccaa ttctggaatg 420

tgtctatgtt agaattctat tacaccactt taatggtgag tatg 464

<210> 4595
<211> 455
<212> DNA
<213> Glycine max

<400> 4595

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aaaataagga aacttgaacc cattaaagac aacatcttta gatatatata tctttcctat 120

aggtgaaaga cacttaaatc ctttgtgaga agtagaatat ccaagtaaga cacgctcatg 180

agaccgaaat tctagttttt gactattgta gggtcttaag aaaggatagc atgaacatcc 240

aaatgatttt aagaaattat aatcaagggt atgtttaaac atagtagtaa aaggaacttc 300

aaaatttaag gatgaagtgg caacctatta atgagaaaaa caattgttgt aaattcaaat 360

tccctaaatt tgagtggaag ggaggcctgt ttgagaagag taagtcccaa ttctgtaatg 420

tgtctatgtt agaattctat tacaccactt taatg 455

<210> 4596
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4596

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tagtggcata aattncacac agatgtccga ttcggggaaa taatatatcg agacgcacga 120

aattgaacaa cggaagctct cgagaaatnt gaatggtcat aacatctcac tcggatgttc 180

gatccgggga cataatttat cgagacgctc gaaattgaac aaccgaagct ctcgacaaat 240

tagaatggtc gtaacttttc acgcgaatgt tcgattcggg gacataactc atctagacgc 300

tcgaaatcga acaacggaag ctctcgagaa atctgaatgg tcataagttc tcacacggat 360

gtccgattcg ggaacataat atatcaagac actcgaaatt gacaacggaa gctctcgaga 420

aaatcgaatg gtcataacgt ttcacacaga tgtccgattc tgggacat 468

<210> 4597
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4597

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agcctcctat ccctattcca ttcccaccta gagcaatgcc aaacaaaaaa atggaagaag 120

tggaaaagga gatcttggag accttcagaa nagtagaggt gaacatagct ctgctagatg 180

ccatcaagca gattccaaga tatgtgaagt ttctaaagga gttgtgtacc cacaaaagga 240

agttcaaggg caatgaaagg attagcatgg gtagaaatgt gtcagcattg ataggtaaat 300

atgttcctca cattcctgag aaatgtaagg acccaggtac tttctntata ccttgcatta 360

ttgggaacaa taaatttgag aatccatgct agatctanga gcatcagtta gtgtcaatcc 420

ttttgtcaat ttcaattctt tatctcttgg 450

<210> 4598

<211> 399
<212> DNA
<213> Glycine max

<400> 4598

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gccaacaaag ggagaaagaa ggtcgtcttt gaacccagag attgggtttg ggtgcacatg 120

agaaaagaaa gatttccgga acaaaggaaa tcaaagcttc aaccaagggg agatggacca 180

tttcaagtgc ttgaaagaat caatgacgat gcttacaaag ttgagctgcc cggtgagtat 240

aatgttagtt ccaccttcaa tgtctctgac ttatctcttt ttgatgcaga tggagaatct 300

gattagagga caaatccttc tcaagaggga gagaatgatg aggacatgac ctagagcaag 360

ggcaaggatc cacttgaagg acttggagga cctatgaca 399

<210> 4599
<211> 386
<212> DNA
<213> Glycine max

<400> 4599

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ggtgataaag tattttggac tacttgcatc catatctgga caacaaatat ctgtatgtat 120

gatttctaat aggtttgagc tcctctttgc atcgttttta gacttgttag tttgcttacc 180

cttaatgcaa ttcacacaag tgtcgaaatc agcaaaatcc aaagtactaa gtactccttc 240

atttaccaat ctcttaattc tctcgataga gatgtgtcct aatctatggt gccacaacat 300

agaggattcc tcattcacaa cacattgttt aaccctggca gtaaaatgca tagaattata 360

agaagcatca ttttgcaatt caatat 386

<210> 4600
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4600

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gccaatttgg aatattgact tccagtggcc gttgactggt gttgaggtcg tagcttgacc 120

aagacctgag ttcctacttc aaattggaca ttgcgtcttt gcttatccgc gctctccttc 180

attcattgct gggccttgat tattttcttt gtcaaactgg atagcaaggc atcatgctca 240

gtcaaccatt tgttggatca agtggcctcg gaataattaa gaagggtggg ttgaattaat 300

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gctctactac caagntatac gatagtagag aacagaaata ataact 406

<210> 4601
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4601

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tgctatgctg atggcttctt cccattccaa gcttcaattg gagtcttgtc ttttacagac 120

ttagttggac atctgttgag tatgtaaaca acagcgtaca ctgcttcagc ccagaatgtg 180

ttcggtagtc ctttttcctt gagcatcaat ctagcaatct ccataactgt gtgattcttt 240

ctctcggaca ctccattttg ttgaggagaa tatgcgactg caagtagtcg ctcaatgcct 300

tcatcctcac aaaatctttc aaactcgcga gaggtgtact ctttgtcgcg atcacttctt 360

aatacttttą t 371

<210> 4602
<211> 413
<212> DNA
<213> Glycine max

<400> 4602

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tatacgagac atcttgccaa acaaagtcaa gttaacgata actcgcatgt gctttttctt 120

ccattctata tgtagcaaag tcattgatcc agacatgttt gatgagttgg aaaatgaggc 180

cgcaattata ctgtgccaga tggagatgta tattcccccc gctttctttg acatcatgat 240

tcacttgatt gtgcatctgg tcaaagaaat caaatgttgc cggcctgttt atctacagag 300

gatgtactct ggtgagcgac acatgaagat ctcataaggc ttcagagaat ctattcgtca 360

gaacatctat tgtgagaggt catttacaag aaccattgat tttgtcaaat act 413

<210> 4603
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4603

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ggatggcctt gattttctca gggtccactt ggaccccatt tctaccaact acaaaaccta 120

agaaaactat attatctaca caaaagttac acttctctat atttgcatag agggtgtttt 180

tcctaacgac tgaaagaact tgtctgagat gtcctaagtg atcatctagg ctcctactat 240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300

gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc 360

attcatacaa accaaa 376

<210> 4604
<211> 418
<212> DNA
<213> Glycine max

<400> 4604

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tcttgttatc ctgccatagc cttcaataaa ccttctataa tacccagcca aaccaagaaa 120

tcccttgact aatttcactg ttttaggcac aagccatttc aacacaacat ccactttctt 180

cctatccatg gtcacgcctg ctccagaaat gatatggccc aagtattcca ccttttttct 240

accaaagctg caccttttga aattggcaaa gaactcattc agaatctgta gtgttaggac 300

taatctaagg tgtccaaatg cgcctcccaa ctagcactat acaccaatat atcatgaacg 360

aaaactaaca cattttctga gaaatgcgtg taaagtggaa ttcatagcac attgaaat 418

<210> 4605
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4605

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tactgaagga ataaagaana ataagtgact gtatgcataa ttacatacca gaacaagtcc 120

aataatattt gtaggctgct cataatagac aggaactctg ctatgccctt tctccaatat 180

tggattcatc aaatccctgc ttaataataa gcattcagtt ggatgacaaa atgctgtata 240

agatagaaaa gctagtttga acttgtaatt nttttgagtc acaaatagag tccataccta 300

tcaagcttta cattaatatc aatagaaaat atatcagtta tgggagtcat ggcatcacta 360

gctatctttt catagagtcc ttacctgtag gctgtaagga atagaataga agaanaacca 420

ataccctcaa ataatagatg agaaactcac ctaat 455

<210> 4606
<211> 441
<212> DNA
<213> Glycine max

<400> 4606

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ctagttgcgt tgactctcac aggtcggcat ctggatacat cttcatgatg gctaacggag 120

caatatcttt gagaagtgcc gaacaatcat tagtttctac ttctaccatg gaggctgagc 180

ttatttcatt atgtgaagtg gcatcacagg gtatttgggt aaaaagtttc atagtcggac 240

tacaagtgat ggattctatt catagaccat taaagatata tagtgataat tcagctgctg 300

tttctctagc taataacaat aaaagtggaa gtcgaagcaa gcacatcgac attaagtatt 360

tagccatgaa ggaatgtgtc atagcaaatg acatcatctt cgacaacatc attattgaac 420

taatgattgc agatccattg a 441

<210> 4607
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4607

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ccatatactc acctcaacat tatccccata cagattaagt atatggtttt cattattaaa 120

aacttgggca gggtacttgt ttctagcatt acatgccatg tcatctgcta gcatgagtat 180

aatcctctca tccggtattt ctagccgttt aactgtcctg aatgagaaag aagttaaaga 240

ccaataatac atcattgtca agcataattc aaacaattta aaaaagaaaa aaaggctaaa 300

gttgtatacg tacctataca atgacagggt attggccata tgccgataat taaacctgaa 360

caagggaagc agcacattta gtatactatg catgccatac aacaagaaac ctacatgtaa 420

aatataattc anaatacctc tgtaagacac at 452

<210> 4608
<211> 444
<212> DNA
<213> Glycine max

<400> 4608

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gactcctact gaagtttgag ttcatatcca gcaagtgtga tcccactttg tgtactccaa 120

gggatcatct actatctaca tgctagtata tattgggaaa catccaagtc ccaaatcgac 180

tagagataag gccaatatag aatatataag tgggggggcaa ccctcatcct ttaagctaac 240

ttttagggtt gagttagact tgaacccaca ttctaagatg atattagaac ttatcttaga 300

tctattaaaa gggagtcacc caccatatta tccatgctcg aagcacaaac gtgttgggcg 360

tgaggggatg tattgtggaa aacccaagtc ccacattggt tagagataac gcccagatag 420

actgtataag tgagggatca ccct 444

<210> 4609
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4609

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caccattctg atccagagaa ccaggcatag tgtattgngc aacaatccca tgttcttgaa 120

gaaatttcgc aaatgaacct ggtgcttgtc catcctctgt gtatctacca tagtactccc 180

caactctatc taatctcacg atcttaattt gttttccaca ttgtttctca acttcagcct 240

taaaaacttt aaaggcatct aaagcttcat tcttagaatg aagtaagtag agatacatat 300

atcgtgaata atcatctata aaggttatga agtatttcgg actatttgca tccatgtctg 360

gacaacatat gtctgtatgt atgatttcta ataaa 395

<210> 4610
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4610

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cccatgaatg tcattgccta gcgctattca tgtgtcctcc atcttcgagt ctggagcccc 120

gcggatgtca ttgcctaaca ctgttcgcta attctccatt ctccactttt attcggagct 180

ccatgaatgt cattgcctac cgctgttcat gtgtcctcca ccttcaagtc tggag 235

<210> 4611
<211> 432
<212> DNA
<213> Glycine max

<400> 4611

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tcatacaaag ttgatttact ttgtgaagca tgtcaggaga ggaaacaaat taaaacctct 120

ttctcaagca aaaactctat ttccacctaa agaccacttg aattattaca tatcaatttg 180

tttggtccaa ctagaacaac ctctgtcagt cgaaagagat atagtctggt agtagtggat 240

gactactcaa gatggacatg ggttatgttc cttgctcaca agaataattc cttagagatc 300

ttctttaaat tctataaaag gattcaaaat gaaaagggag tatgccttac ttcaataaga 360

agtgatcatg gtggagagtt tgaaaatgag aactttcatc tattttgtga agaaaatgga 420

attctttata ac 432

<210> 4612
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4612

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tatgaaacaa caattatctg attatgggat tgtattatac catattccca taaaatgtga 120

caacacaagc gccataaata tatctaagaa cccaatcttt cactctataa ccaagcacat 180

agaaattacg catcattttc ttagagatca tgtcctacaa ggtgactgtg ttctacaatt 240

tgtagatacc aaaaatcaac tcgcagatat cttcacaaaa ccactaccca aagattcctt 300

ctacaccatt agaagagaat taagacttnt agatgccaat gacttagaca aatgatctat 360

tctatgttat gatgactcat cacttgttta atacacatgc tcttattatg ttttgtgaat 420

aatgtctgac atctatgtcg tcatttattt tctg 454

<210> 4613
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4613

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ttcaaaatcc cttgaactac ttcacattga tttatttagt ccctcaagaa caatgagttt 120

aggtggaaat tactatggct tagtaatagg ggatgactac tcaaggttca cttggacctt 180

gtttttgaaa acaaaaaatg aagctcttaa tgctnttcgc acacttgcca aggtgattca 240

aaatgaaaaa ggtctcaaca ttgtttcaaa ataagtcttt tgaaatattt t 291

<210> 4614
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4614

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cattctttgc gtcgaccttc ttcttgtgct cctcatcctc ggccttgtac ttctccgcct 120

cttggaccat cttctcaatc tcatccttcg atagtctacc cttgtcgttg gtgatggtga 180

tcttgttctt ctgccctgtg gtcttgtcct cggcagagac attcaagata ccattggcat 240

cgatatcaaa gcagacagta atctgaggaa caccctgcg tgctggggga atgccagaaa 300

gctcaaattt acccaacaag ttgttggccc tggttctagc tctctctccc tcatacacct 360

gaatcaagac accaggttgg ttgtctgagt aagtagagaa cac 403

<210> 4615
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4615

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tcatggtgct ccgaacaaag gcggagtatg gaggattggc ttgagggtcc acacttangc 120

aattatgaaa ctcagctcca aactcgaaag tggaggacac acgaacaacc ctaagcaaga 180

acattcatgt ggctccgaaa aaggacgaga atggaggatt gccttgaggg tcctctctta 240

tgcaatcatg aaacacagct ccaaactcaa aagtggagga cacacgaaca gccctaagca 300

agaacattca tgtggctccg aaaaaggacg agaatggagg attgccttga gggtcctctc 360

ttatgcaatc atggaacaca gctccagact cgaaaatgga ggacacatga atgacaacgc 420

aattcattca tgtggctccg gaaaatgatg agaatgga 458

<210> 4616
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4616

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gcttccaaag tttcatggcc ttgaaggtga agacccacac aaacatctga nagaattcca 120

tattgtttgc tccaccatga aacccccaga tgtccaagag gatcacatat ttctaaagac 180

ctttcctcat tctttagaag gaatggctaa cgactggcta tattaccttg ctccaaggtc 240

catcacgagc taggatgacc tcaagagagt attcttagaa aaatttttcc ctgcttccag 300

gaccacgtcc atcagaaagg atatttcacg tattagacaa ctcaatggag agagcctata 360

tgaatactgt gagaggttta aaaaattatg tgcccgttgc cctcaccacc agatt 415

<210> 4617
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4617

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gcaagaggct ccaagaagat tgngctagag ctgctgaaga aggccctagg gttctcatgc 120

aacttanggt agatttctga gcccatgggc caaggttggg tccaattatc tttgtacata 180

ttagactagg atgtcattat atttggtcct tgtatttagg gctccatatt gtaggtaggg 240

taccctagaa atataggatt tttcaaccct tgtatttttg ggcacctaga ctagtttttg 300

tattaggggt agttttgtaa tttcacatgc actaagtgga tatttgatgt gtgtggttgg 360

aaataaattt aattgaattg gtagaagccc aatccaatta aattntagag ggggaggtga 420

gcatttgctt actacacccc attgccacat catatagtca ca 462

<210> 4618
<211> 424
<212> DNA
<213> Glycine max

<400> 4618

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tactgttgat cgatgtatat atctgaaggt cagtaagagt aaggttattt tctaattttg 120

tatgttgatg acattctgct tgcaactaat gatcttggtc ttcttcatga aattgagaag 180

tttctctctg gtaactttga aatgaaagat atgggtgagg taagatattg tgatatggat 240

agaaatattc cataatatat cacaaggatt gttagactta tctcagaaag catatatcaa 300

taaagtatta gagagattta cgatgacaag gtatttttag catcacctat tccaatttag 360

aaaaggggaa aatttagttt tgcacaatgt cctagatatg atatggaatg aaaacatatg 420

aaag 424

<210> 4619
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4619

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aagctattgt cgtttgaatt ggctcagagg ttcaacattn caatttgagc atatcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcagag 180

ctttaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240

aaaagatatt gtcgttctaa ttggctcaga ggttcaacat ataatttgga gcgtctcgat 300

atattatggg actaaatcag acatccaagt aaaaagttat tgtcgtttga attggctcat 360

aggttgaaca ttcaatattg accgtctcga tatattatgg gactcaatca gacatccgag 420

taaaaagtta ctgtcgcttg aataggctca t 451

<210> 4620
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4620

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atataacgaa acgctcgaat atgaatgttt aagctttgag ccaattctaa cgataataac 120

tttttactcg gatgtccgat agagtctcgt aatatatcga cacgctcgaa attgaatgtt 180

gaagctctaa gcctattcaa acaacaataa cgttttactc ggatgtccga ttcagtgacg 240

taatatatcg cgacgctcga aattgaatgt tgaacctctg agccaactca aacgacaata 300

actctttact cggatgtctg attgatgtcc gtattatatc gagacgctcg aaattgattg 360

ttgacctctg agccaat 377

<210> 4621
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4621

tgaaggcctc catgtaattn gaatggcact tgctgcatga cttttaattg atccgannaa 60

atgtatggac tagtangaac tnttgacata caaattntgt gtcacagtaa ctntnttttt 120

agaatattta cagcatttcc ttttcattac aaaccagttt attcagattt acaaaatttg 180

aattaattaa aattatttgg aagaaatgtt cctgataaaa tcgcgtcaat aattntaaaa 240

tatcatacta caatatggaa aatgatttgg aagaaattat ttggagtata tgattggtga 300

catatcttca tggttatata agtgcttttt acgaaatctc tttaattgcg tggtaagaaa 360

atgagttaaa ttcaattatt ttttttataa actntcctag atgattgatg gaatttcaaa 420

taagcgcgtt acaataattc ac 442

<210> 4622
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4622

agcttctata gaaggttcgt tcctaatttc tctattattg catcacctct caatgagctg 60

gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gctcttcttg acttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg taagcaccct 240

attgcttatt ttagtgaaaa acttcatagt gccaccctca actaccccac ctatgataaa 300

gagctntatg ccttaatatg agccctccaa acttgggaac attacctttg ttccaaggaa 360

tttttcattc atagtaatca tcaatcactt aagtaca 397

<210> 4623
<211> 427
<212> DNA
<213> Glycine max

<400> 4623

agcttgaatt ataatataaa cataagcatg atattaaata ataaaaaaac tataaagctt 60

cacaaaaata aagaggataa tacctcttta ataataaatc tcagaacgtt agaaaattct 120

ccaactgttg gcactccctc tggctactca aatgccacaa aggtctgtcc acgtgaatca 180

taaggaagag acctgagagg cttggagaac acctctgaga attcatctgc atctgaagca 240

tccacagtca caataacctg taatagagaa aaataattac aaagaccttg gagttggatt 300

attttatgaa aaattcgaag catctataat attcattaca tcttccaaca attgctctgg 360

tatcgtgttt gtgcacttgt actgaaacac aacatgccta tcataaatgt gtttaatgac 420

attaact 427

<210> 4624
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4624

cgtanagcag gaagtatggg tnaaggaaat gtaagaagag atacagacga tcgagacaaa 60

caacacgtgg gagttagtaa accgtcccca tggaaaatat atcattgggg ttaagtgggt 120

ctataagaca aagctcaacc ctgatggcac catacagaaa cacaaggcaa ggctagtagc 180

taagggttac tcacagcaac ccagaattga ctacaatgag acatttgcac cagtagctcg 240

tcttgatacc ataagagctc taatagctct tgcgtcacat aaaggatgga gtatccatca 300

actagatatc aaattcgcct tccttaacga cgtacttgaa gaagatatct atgtgg 356

<210> 4625
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4625

tatgctgcan atatatacaa tagacctnct caacctcagc atcanaatca accacagcat 60

aacaattatg acctctccag caacagatac aaccctagat ggaggaatca ccctaaattc 120

agatggtcca gccctcagca acaacaacaa cagcctgctc cttccttcca aaatgctgct 180

ggcccaagca gaccatacat tcctccacca atccaacaac agcaacaacc ccagaaacag 240

ccaacagttg aggcccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300

cagaacatgc agtttcaaca agagactaga gcctccattc agagcttaac caatcagatg 360

ggacaattag ctacccaatt aaatcaacaa cagttccaga attctgacaa gttgccttct 420

caagcctgtc aaaatcccaa aaatgca 447

<210> 4626
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4626

agctntatct ctgccattat taagatctgc ccatccacca tatttggatg ttaaaattct 60

aacccataac tgattttgat tagaggataa agcccatatc catcttccca tcaaagctgc 120

attaaatctg gtaatatcct taatcccaag tcccccatcc tccttgggga ggcaaatgac 180

ctcccacttc acccacacaa ttttcttgag gtcttgagaa ccccccccaca gaaaatttct 240

ttgtagagat atcaatttca gaactactct ttgtggaatt ttaaaaaaag ataggagata 300

tatgggtaga gcagttaata ctgaatttat caaagtaacc ttccctgcca ttgataggat 360

tttctggttc cacttagaat aatttgcttc atattttnta atcagcggtt tccacatcaa 420

gtagct 426

<210> 4627
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4627

ccacccacac ccctctaata ttctaccgct tagactcact ntatatgtaa caaaaataat 60

ctctttaaaa ttaattaaaa atcatgagtt ctggtaaatt tatttctcat ttaatataaa 120

tcaagagact caatcatttg agaagcaaaa cctaaaaaaa attataattt tcaataaatc 180

ttaaccaatt ataaagagaa tataattaaa taacaatcta taattaaata atcttataaa 240

agtcaacaat ttatgattaa tttatataac ggtgacacat cataataata ttatactctt 300

tttattaaaa ttagctgttc tatatctaat ttcatgttat gcggatagct taccatatta 360

tacgctccat caacacttat taatttcttt gttatccttc tctttttatc acattntata 420

acctattata cttacactgc attat 445

<210> 4628
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4628

agcttgccaa ctcctcact cagtggccga gatatcttat tatcctgcag gtatagttca 60

ttcaaattct gtagcagaaa gatgctctct ggaaggcttc ctgacaaatt atttttatta 120

atagacagat gctgcagaga ggaacaatca cccaaatttc gtggaatctc accagaaaag 180

tagttacttg acagtttaaa tactcggagc tgagtaaaag aggaacacat agttgtatct 240

atagagcctt caaattgatt attgctaaag tccatgatct ccaagtttgg aagatgaaac 300

aagctgtgtg gaagagagcc agtgaagaga tttttggaaa gcttcaagac tctaagttga 360

tccaaacatg ctaatgattc acagatcttc cctgtaagtt gtgtgcttnc aagttccaag 420

cgaaccaccc tcgtgccaac 440

<210> 4629
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4629

agctntcgag aaatacaaat ggtcataact tttcacactg agctcttatt caggtttaca 60

atatattgag tcgctcgaaa ttaaacatcg gaagctctcg agaaattcaa atggtcataa 120

cttttcacac ggatgtccga ttcgagcgca taatatatcg agatgctcga cattgaacat 180

cgaaagctct cgagaaattc aaatgggcat aacttttcac actgaggtcc gattctggct 240

tacaatatat tgagacgctc gaaattaaac atcggaagct ctcgagaaat tcaaatggtc 300

ataacttttc acacgaaggt cagattcggg cacataatat gtcgagatac tcggaattga 360

accacggaag ctctcgagaa actcaaatgg tcataacttt tcacacggat gtccgattcg 420

agcgcataat atat 434

<210> 4630
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4630

agctggattg gacctcagtg tgaaaagnta tgtttatttn gaattctcga gagctttcgt 60

tggtcaatgt cgagcatctc gacatattat gcgctcgaat cggacatccg tgtgaaaagt 120

tatgaccatt tgagtttctc gagagcttcc gtggttcaat tccgagtatc tagacctatt 180

atgtgcccga atctgacctt cgtgtgaaaa gttatgacca tttgaatttc tcgagagctt 240

ccgtggttca gtttcgagcc tctcgacata ttatgcgccc gaatcggaca tccgtgtgaa 300

aagttatgac catntgaatt tctcgagagc tttcgatgtt taatttcga 349

<210> 4631
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4631

ctttacacta cgtatntaaa ttggtttgac attaattntn tattacaatt aacattttat 60

atttttaac ctattaaaaa ataattttta aaatcaaatt cttgagatga atattcttta 120

ttaaatcaac tacgaaaatt tacacttaac ttatgagaaa gaacaattga cctaaaacta 180

caataacaat taaattatta gagagaaatt actctgtttt atttaaggtt atggtacttt 240

taatataaat agaacttttt ttttttgctt aatgacatga gacttaacta atttattaaa 300

tatgttattt catctagtta atatgagatc gatcaatatt ttcttatgag ttgaagcagg 360

aaaacttata aaagcatagg ttttacgcat gaattattgt aaaaatttac attatcttac 420

<210> 4632
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4632

tganagtgtg taaccaacca ttntctcatt gtagaacacc ggtaacgtgt atactatcat 60

tgtgatcatc tttttctctg tcattgaagg tgccacttga gctgtcaagt ccctccacct 120

ctgggcgtat tccttgaatg actcatgctc ttttttacac atgttttgta gttgcgttct 180

atccggagcc gtatcataat tgtactgata ttgcctaacg aaggcaacca ttangtcctt 240

ccaagaatag actcgggaag gttccaagtt agtgtcatac cctaatttcg tccggggatt 300

attacttgac gacatgcaac ctttgattgg ccgtttcaag atacttggca ccctttgttg 360

cacaatatgt aagtcttgag acgcaccgga agtcaaaagg aagcagggtt atgcgatccg 420

tgaaattccg taatgtggcg gaaa 444

<210> 4633
<211> 439
<212> DNA
<213> Glycine max

<400> 4633

agcttgtgct tacaaaatat cattaaacaa attagattgg cttaatactt taatgttatc 60

atatgcagcc acaacaaaag aaaatgcatg ccaaattcac aagtcctgtg ttgcaactgc 120

ttcgagcata attattggtt tgcaatgatc acctacagta aattgacctt ttcaaggtgc 180

atgataattt tttcattcct agtgcataca atcaactgaa tccaacatac ccggaatgcc 240

acatgtatcc tccatttgta gtacgtggcg gaaacattat aacaaatata ggattttgag 300

aatttttggt agaagaaggt acacaattat gtatataatt gtatgtggag ttgtctgggg 360

gcggcggaaa catagggaaa aatggatgga aacatttgtc gagcacatgt tggcccacat 420

acaattgtga atcttgatt 439

<210> 4634
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4634

ngatacttgg tactctattc acttcttcaa ctcttgtatt tatatttccc acatcaactc 60

tcacagtgcc tgaattccgc aacagtaata ccattaacac gtctctcttt cgattcacgc 120

tttgtttgat tgattgcccc aatggccgcg tgtggctata tatctgctgc caacttcaat 180

catcttgttg gcgccagaaa cttatccaaa ttcagttctt cggatgccac aatttcgtta 240

tcatttggcg ggagcgattc aatgggtctt agtttgcgac ccgctccaat tcgtgctcct 300

aagaggaacc atttctctcc cttgcgtgtc gtttgcgtcg attatcctcg accggagctc 360

gaaaacactg ttaatttcgt cgaagctgct tacttgtctt ccaccttccg tgcttcttcg 420

cgtccactaa aacccttgaa cat 443

<210> 4635
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4635

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cccaccatgg tatagcttca atctctgacc atttactatc catgttctgt gcggagtttc 120

tgactgaggg tcaagtaatt ccacaactcc atatggcttg acttccttca tggtgaatgg 180

tccagactat ttagacttta atttgcttgg aaacaacttt aatcttgagt tgaacagcag 240

cacttgttgt cctggcctaa agtccttctt tagcagcttc ttgtcatgat aagcctttac 300

tttttctttg tacagtctga aagactcata agcattcaat ctcatctctt ccagctccaa 360

gagttgcaac ttcctctntt cccctaatag agcctcatca aaattcagga atttcaaagc 420

ccagtatgcc ttatgttcca tttctaccag aaagt 455

<210> 4636
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4636

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atatcagcgg gttcaacacc tgaatactgt atttgggaag acctaaaaga aggataaaag 120

tcagagttgc atatggaaga agaggtccat ttttttttatc ttccgtactg gtgtgatctt 180

gacgttagac attgtattga tgttatgcat gtgaagaaaa atgtttgtga cagtgtgatt 240

aggacactcc ttaacattca aggcaagagg aatgatggct tgaatacccg tcaagatcta 300

gctgatatgg gtatatgatc acagttgcat ccaaggtctg atgggaagaa aatttacttg 360

cccccagcct gccatacttt 380

<210> 4637
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4637

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cctctgaagc agtcatcaag cagattcctc gtctcttggg acctggtctc aacaaggcag 120

gcatgtttta ttgttttgga ttttgaatct cttttggaca ttttagagag aacttggtga 180

tttgcttgtt ttaataactt acatcggtca ttgctgtgtt atttttttgt taatcgttgg 240

tcacattctg ctattacatg ctctgttttt aagtacgaac attataaaat ctttcaagtg 300

gctttctgta tcatatcgaa tatggtatat tagtcctttc ttttccatct agtaagatgc 360

tctgttttaa agatttgata tcttctgggt tttaaatttc aatgtcgctt tagcttgatc 420

tat 423

<210> 4638
<211> 402
<212> DNA
<213> Glycine max

<400> 4638

agcttatgct gcaaatattt acaataaacc tccttaacct cggcagcaaa atcatccaca 60

gaagaacaat tatgacctct ccagcaacag atacaaccct ggatggagga atcaccctaa 120

cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttgct tccaaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac taccccagat 240

acagccaaca gttgaggccc ctgcacaacc ttccctcgaa gaacttgtga agcaaatgac 300

tatgcagaac atgcagtttc aacatgagac cagagcctcc attcagagct taaccaatca 360

gatgggacaa ctggctaccc aattgaatca acgacagtcc ca 402

<210> 4639
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4639

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atgcaagttg aaagccttgg aggaaagagg tatgcctatg ttgttgtgga tgatttctcc 120

agatttacct gggtcaactt tatcagagag aaatcagaca cctttgaagt attcaaagag 180

ttgagtctaa gacttcaaag agaaaaagac tgtgtcatca agagaattat gagtgaccat 240

ggcagagagt ttgaaaacag caagtttact gaattctgca catctgaagg catcactcat 300

gagttctctg cagccattac accacaacaa aatggcatag ttgaaaggaa aaacaggact 360

ntgcaagaag ctgctagggt catgcttcat gccaaagaac ttccctataa tctctgggct 420

gaagccatga acacagcatg ctatatncac aacagagtca cactta 466

<210> 4640
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4640

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tagcagaaga gtttaattac tgagtttgtt cttagaacgg attccagttc atgatgaact 120

tataaatgac aacatagtca taacttgaat cttataatat tcccaaatta ataattctga 180

attatcttcg gtgttatttt aaataaataa gcaatttgat attttcctat atataaagtt 240

tagaacaaat tgccctgaca ttccttgtga ttttttaaaa ttgcacacaa tacttctatc 300

taacgtttac actaatcttc ttataggaat acatgtgtaa tatttttctt agagaagaaa 360

tgtcaatata atctatttca aacattnttt tatataacaa tctatttcaa acaattaaag 420

atagggattt aaaggacaaa aa 442

<210> 4641
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4641

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gtaagatgtc atttgctttc agcttgggat tgttctgcct gggtacgtac ttatgcatta 120

tatttggaag aaagactcga atgtttccag gttctgaact atgatattga agctgagcgt 180

ctagctaagc ctgttgctgg ggaggacaag gtaattttct ctctcttgga taaaataaga 240

gatttattac aatgaagtga gtgggaaggt aatttcatta agctatgatt atacttttgt 300

gtgatattca atcaagtgaa aagcatctat gacagttttt gcatggaaaa atgaatacag 360

aaactacctt atctccttta catgtaagat atataagtat ttaattctta ggcattntat 420

tggttgttct ttaggttctc agacctacat gactgtcata aatattaata g 471

<210> 4642
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4642

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gtatgtatac atgattntga tgatgtcaaa gaagaatcta acaaggctgc ttcaaatgat 120

aagcatttgc ttcaagaata attcaagatt gcttcaacaa acaaagcctt gtttcaagat 180

tcactaaaga ccaagccttg ccttaaaaca aagtgctttc aagacatgca aggctctggt 240

aatcgattac caggaagtgt aatcgattac ccgaagacag ggttgagaaa tagctgttga 300

aaaatgtttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360

accagcaacg aaactttgga aattcaaatt caaaagtcat aacccttcac attataactg 420

tgtaatcgat tacacaaaca ttgtaatcga ttaccagt 458

<210> 4643
<211> 461
<212> DNA
<213> Glycine max

<400> 4643

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tgtaacaaat cttctacact tggagtgatc acctgcagtc ctcttgaacc cttaccaccc 120

actctgtcat catgccgaga ctcaggaagc ccaacaggtt tagccttctc taagtattct 180

gaacaaaatc caatggcttc ttctacaatg tacctctcaa caatagatgc ttctggacga 240

tatagattat ttgtataccc ttttaagatc ttcatgtatc gctcaaccgg gtacatccaa 300

cgtagataaa caagaccaca acatttgatt tctctgacca gatgcacaat caagtgaatc 360

atgatgtcaa agaaagcagg gggaaaatac atctccaact ggcacagtat aattgcgggc 420

tcattgtcca actcatcaaa catgactgga tcaatgactt t 461

<210> 4644
<211> 405
<212> DNA
<213> Glycine max

<400> 4644

cctttctttt ctcatgtgca ctcaaaccca agctgctggt tcgaagacaa ccatttttct 60

accttagatg gcttgtgtag catagctatt acttttcctc tcaatttgat ctttgactct 120

ataatgaagc ttcttcacat agtccgcctt tgcttgacct tctttatgct taaaaacaga 180

aacattaggc ataggcaaaa gatcaagagg agttagtgga ttaaaaccat aaacaacttc 240

aagggttaag aaagaagaat catcggatga cgccgatcga acatttgcta atagacatca 300

tccacatatt attcagggat tgaatagaag atacaatagc cgacatcggc cgttgtaaat 360

cagcgactga tatttttcat ccgacggtgc gcaatttctt ttaca 405

<210> 4645
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4645

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acagattacc ttctcaatct gtccagaatc ctaaaaatgt gagtgccatt gcattgaggt 120

caggaaagca atgtcaagga cctcaaccag tagcatcttc cccattagta aatgaacctg 180

cccaacttca ctctactcca aaaaaagagg atgacaaaaa tttaaagagt aagttgccta 240

acaatttcta tgcaggtgaa tcttccactg gtaattctga cttacagaag tagcatatcc 300

ctcttccatt ccctccaaga gcaatttcca acgaaaaaat ggaagaggta gagaaggaga 360

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ttccaagata tgctaaattc ttg 443

<210> 4646
<211> 402

<212> DNA
<213> Glycine max

<400> 4646

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aaaatggaga aagaagaaag atgattggag acgccacttc aaggagaaga tgagtcaaga 120

acaagcttac caccataaga agcaatggat aaaaacttga aagtaggaga agaatagtgg 180

aggggggaaga agaaaaagag cacagaattt tatgcctcaa atgaagtcta aactttgaag 240

tgtaattctc aaatgatcaa agttgaaaaa atgcatacac aaggcctcta tttatagcct 300

aagtgtaata caaaattaga agaaaatttg aatttctatt caaatttcac tcgaatttga 360

atttgtggag cccaattttg aggtcaaatt tcactaatta tg 402

<210> 4647
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4647

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gcagagaatg ggatgttcaa agtcttaaca tagtgttatt gcaagcataa tgatgccagc 120

ttttttttgcc tttcttgatg aaaatattga cttaaaaaat tatcctgctt tangtggaag 180

tgactgatgc tgctattctt gccctaatag aaaactactg ccgagaagca ggggtcagga 240

atcttcaaaa gcacatagaa aaaatttacc gaaaggtctg ttaatttgtt tttttaggtc 300

aatacagtca acttttagtt actgacagtg aaaaggctat gttgtatatg gttgaaaaga 360

caaccactca tgatttgatg gtttcaataa ttttggctgc ttatttcatc actatatctg 420

aatttgaat 429

<210> 4648
<211> 507
<212> DNA
<213> Glycine max

<400> 4648

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tagccttaat tgtcaaatta attatgcagt tttatcattt gggcctactt gactaatttt 120

gtgtttttta tttaatttca ggagaattat aagcaattgg acttgaatcc agaattgagc 180

ttggacttga agagagcata caattttatt tcatcaaatc ttatcttatc caaattttat 240

ttcatctaga ttttatttcg tccagatttt atttcatcca atcttatctt atcttgtcca 300

gattttattt tatttcgttt atgggcttgg actcaaaaca gatttgtaag ctttggggtt 360

gaggacctat ataacagcac cagggtttta gtttagagag agtttttgga gaggagaata 420

attttagggt tttgcaattc cagtttttac tggtcatgcc cactggtcat gtagcaataa 480

aatttgtttt ctgcaaattc cgttttc 507

<210> 4649
<211> 449
<212> DNA
<213> Glycine max

<400> 4649

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gaaaatgttg gatcgagagg cctcaaaata attaaaaaag ggggttgaat taattattcc 120

taaacccttа ctaattaaaa attactcttt taaggctttt actaaattgt taaaagaacg 180

aggagtagaa gagaaactta acaaaaagta aaagcggaaa ttaaatgcac agcggaaagt 240

taaagagtat agaagaagga aacaaacaca caaggatttt tatactggtt tagcacaaac 300

ctgtgcctac ctccagtccc caagcaacct gcggtccttg ggatttcttt caaccttgta 360

aaaaaccttt tacaagcaaa gatccacaag ggatgtacac tcccttgttc tctttgaatc 420

tagtggatgt accctccact agaactgat 449

<210> 4650
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4650

agcttctcac cccttggccc agggtagana ccctttaata ggaaccaagt tagggtgcct 60

tatccttcca agaaattgaa tcatctcatc caattcctca ccccttgcag tgcacactgg 120

cctcagaaac ctaagcagcc tcaccttgtt gctcctttgc aacaaagcct tgtacagtgt 180

tccatagttg gattttccaa tcacttcacc aggagcatcc aaaatgtcac atattgtaag 240

gtcctctcca ccttgaaaga tcatcaaatc ctccttctgt gccacatcct cctccttgtg 300

ttctgaactc tcaatgtctt tactctcatc atactttgac acccttctct tgcaatagaa 360

cacataaact gcaacaaaaa ctaaaaaagt agctgaagct agtccaagca ctagtatcaa 420

cat 423

<210> 4651
<211> 524
<212> DNA
<213> Glycine max

<400> 4651

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caacagaaca attatgacct ctccaacaac aggtacaatc ccgggtggag gaatcattcc 120

aaccttatat ggtcgaatcc ttcacaacag tagcaacaac aataatagcc ttattttcaa 180

aatgtcgttg gcataagcag accataagtt cctccaccaa tccagtagca acaacagcaa 240

caaccctata aatagcaaac agttgaggct cctccgcaac cttcccttga agaacttgtg 300

aggcaaatga cgatgcaaaa catgcagttt taacaagaga ccagagcctc cattcagagc 360

ttaactaatc agatgggaca attggctaca cagctaaatc aacaacagtt ctagaattct 420

gatagattac cttctcaatt tgcccaaaat cccaaaaatg tgagcgtcat tgcaattgac 480

gtcgcgaaaa cagcgtcaag aacctcaacc accaacattt ttcc 524

<210> 4652
<211> 413
<212> DNA
<213> Glycine max

<400> 4652

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ccaataatgc tgcaaggtcg acacaaattc ccctcttcag tgaaccagtt tttttgccca 120

atccttcctg cagcagcgac aattagcaca ccaaaacacg caataaccaa ccattgacga 180

ataaacattt cactgcttca aatttctatc taacaaattc aaaagcccga gctgcaattt 240

ctatactcta aacaaaactg taacctcaat ttaaaatcaa atgcactctc aacccgaaat 300

gcaacaatca gcaaacctaa acgccaaatc accaacgaac aaacatttca ccgttttaaa 360

tttcaatctg ccacaacaaa tagcaattgc cgccccaaac ctacaatttc aaa 413

<210> 4653
<211> 389
<212> DNA
<213> Glycine max

<400> 4653

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atactttgag cagtttgaca ttagagtcaa ttgccgcctg gacgaccaag gcacacgctt 120

catactcagc catattgttg gtgcagtcaa accccagcct ggccatgaaa ggtacacatt 180

gattgtttgg agagaccaat actgctccaa tgccatggcc tagaacgttt gacactccgt 240

caaacaacac ggtccacttg tcccgatcct cgtctagctt tttctcaaat aaggccataa 300

tgtcctcatc gggaatttgg gatgcatggg ctgatagtcg ttgagaggct gctgacccaa 360

taatctgcca ggcgcttctt tatcgcctt 389

<210> 4654
<211> 529
<212> DNA
<213> Glycine max

<400> 4654

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ggctcccagg ttagtggatt aagctaaata gaccaataca aactcacggg ttaagtcacc 120

taacccattg atccaaagtt tacattgtca cctctacatt agtgactttt tgttgccttt 180

gtttccttta agctttttgt gtataaaaat atatttttc ttgtgtgaaa tatttgtttg 240

taattcagtt ttaactatat aataaaattg atggctaagt ttaatatata tttaaacaga 300

cttgatcatt tgattatgag gacttggata aaatttatat tcttcaaagt tttgttaata 360

taactcgtta aacataattc tatttttata aactatgaaa aaatacaaaa tttatatgaa 420

ttcaagctca acacattaaa acaagtacca accaatacta tcataccttt gacattttaa 480

aaactaatgg caacaaaata atcaatggga tcataatagt ctaaagatg 529

<210> 4655
<211> 479
<212> DNA
<213> Glycine max

<400> 4655

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gttttgaaaa tgaagggttt agcttttgta ttttgtgaaa tgtgatacat atatattatc 120

cctttaaaat gtaagaaatt actaatttta aaatgttaga aataaaacca attttatcta 180

aattttaaag aaccattttt ttgtttgttg aataacaaga gctaccagcc ccaactagaa 240

cataatacac tcaatatttt aactatagat taatactaat aagatcttct taaacaaatt 300

aagtctcaag tttaaaaaaa aactcttaat taatattatg gggggtttat tatataggct 360

attggaaatc tgaaagttta attctattgg aaggtccttt atattcaatt aatggaagca 420

attaatttat atctcttgca tgccggaata ttactttaat atcaatagtg gccttttt 479

<210> 4656
<211> 231
<212> DNA
<213> Glycine max

<400> 4656

tcataacata cttcttgacg atggagcttg tggtgactaa taacttgtgt acaaacccat 60

attttcgtca tgaagcatct tcggtacgct ctattattgt cgtttttcgg cgcaatcttc 120

ctattattat tagccacaga tttgtatggc ccgctttcta ttgtctaaca gcttggtatt 180

ctgacgcatc aaacctatgt gaatctgact tgcttcttgt gaagagagca t 231

<210> 4657
<211> 350
<212> DNA
<213> Glycine max

<400> 4657

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tagcatcact tctgacacta aattgttggg agttggaagc catcttctca attaaatttc 120

tggcttcatc aggggtcatg tctccaaggg ctccaccact ggtagcatct atcatacttc 180

tttccatgtt actgagtcct tcataaaaat attggagaag aagctgctca caaatctagt 240

ggtgaggaca actggcacat agtttcttaa atctctccca gtattcatat aaactctctc 300

cattgagttg cataattcct gaaatatctt ttctgatggt tgtggtcttg 350

<210> 4658
<211> 410
<212> DNA
<213> Glycine max

<400> 4658

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actatgcatc aaaagcgaga agattcttca gcaagaagca caactgaaga aggtcattgc 120

aaatctggag gctgagaagg aggcacatga agaggaaatc tctgaactta aaggagaaat 180

tggctttctg aattctaaac cggaaaatat gacaaagtca ataaagatgc tgaataaagg 240

ctcagatgtg ctcgatgagg tgctacagct tgggaagaat gttggaaacc agagaggact 300

tggatttaat cataagtctg gtggcagaac aaccatgaca gaatttgttc ctgccaaaaa 360

cagcactgga gccacgatgt cacaacattg gtctcgacat catggaacgc 410

<210> 4659
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4659

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cattaacagc tttttcgtcc gtagaatatg cccccatcct tcggcaatac atgcgaagat 120

gacctttttgg acacgtcgtc cctttgaatt tatcaaaatc tggtacttta aacttggggg 180

gaataatgat gtcaggtacc acacatagat ccggtaaata caagaacgga tagttgccga 240

ggccttctac cgctctcagc ctctctttaa gtagatcaat ctttccccttg tcccttgcaa 300

agggaagaag ttccttaacg ggtgcggatg gagaccggac gtggcggact atgtctggtt 360

ggggcaactc atgggggggct gagtcct 387

<210> 4660
<211> 370
<212> DNA

<213> Glycine max

<400> 4660

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acaagctcta tactcccaat agtagaaaga tcgtcataag tcgcgacgtg gagttcgacg 120

aagaagattg ttgggattgg agtgttcaac aagataagta tgattctctt ccttattttg 180

aagaagatga tgaaattgaa cccacccatc atagaggaac atattacacc acctgcctca 240

ccgacaccaa ggctggatga aacaagttca agtgaaagga caccgcgact aaggagcatt 300

gaagagattt atgagctaac ccaaaaccta aatgacatta acctcttttt tctttttggg 360

gactgtgagc 370

<210> 4661
<211> 429
<212> DNA
<213> Glycine max

<400> 4661

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gcctcagtaa ctgctaccat atcctcatct gcaatcatgt aaagagatcc tcgcttcttt 120

tcacgagcca caatgagatt gccttttgtt accttccaag ctctatatcc aaaagtggtg 180

taatgcccct cattatccaa ctaccctata gatgttagat ttccctttaa ggcaagaata 240

tgtcaaacat tgtacagtgt ccatagggat ccactagagg tcttgatgtc aatatcacct 300

cttccgacaa tgtcaagaga ttttccatct gcaaggtaaa ctttctcaaa tcttccaaaa 360

atatagttag aaaataaatc tttaaaggga gtggtgtgga atgacgcacc tgattcataa 420

tctatgaat 429

<210> 4662
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4662

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ttggtgagga actatgttct ctcatgggaa gatggncagc aaaggggttt ttagtcctta 120

ccctactcta acatacccaa cataactaat acatatgttt ttattctttt tacaggtgtt 180

gaggaaagaa tccctgagtt tcaagaacct ctggatttga ggtcaaatcc ttttcaaggg 240

agagggaatg atgcaatcct accccacaag gtcattggat agaagactcc aagaagattg 300

ggccagagat ggccctaggg ttctcatgag ccttagggta gatttcgagc ccatggacta 360

aatatgagcc cacttatctt tgtacatatt aaattaaggt ttcattattt tttg 414

<210> 4663
<211> 446
<212> DNA
<213> Glycine max

<400> 4663

agcttatgct gcaaatattt acaatagacc tccttaacct cagcagcaaa atcaaccaca 60

gcagaacaat tatgaccttt ccagcaacag ataccaccct ggatggagga atcaccctaa 120

cctcagatgg tccagccctc agcaacaata gcagcctgct tcttccttcc aaaatgctgc 180

tggcccaagc agaccataca ttcctccacc aatccaacaa cagcaacaac cccagaaaca 240

gccaacaatt gaggcccctc cacaaccttc cctcgaagaa cttgtgaggc aaatgactat 300

gcagaacatg cagtttcacc aagagaccag agcctccatt cagagcttaa ccaatcagat 360

gggacaatta gctaccccaa ttgaatcaac aacagtccca gaattctgac aagctggcct 420

tctaaactgt cccaaatccc aaaaat 446

<210> 4664
<211> 436
<212> DNA
<213> Glycine max

<400> 4664

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aagctcataa ttgcacgaaa gattctcgaa aagcatcccg ggtaatttgt tcccagaaat 120

atttcagata agtaatagaa ggaagtgaca acaatcctgg ttgaaaaggc cccacaaatg 180

aattcgatga aatatccaat cgctcaagct gatagtatga actcaattta gcccgaatac 240

cacacctgaa gctatttttt cttacaacta gtataaccaa cctgttaccg agctgacgaa 300

actgcggtcc aaaagcatta tcattcaatt caagcacttg aatattcgtc aaacggctta 360

aatcacgcac cggccccata aagggaatat tataaagtga aaagggtctc aaattctcca 420

cattaccaag cgaatt 436

<210> 4665
<211> 529
<212> DNA
<213> Glycine max

<400> 4665

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tcattaatgg atttctttgc ttcttggaag atgaatggcc gcggaatgga gaaggaagag 120

agagaggaga tgccacttaa aggagaagat gagtctagaa gaagctcacc accataggag 180

gccatggata agagcttgga ggaagaatga ggataatgaa aggagaggaa gcgaagagca 240

tgaaattttg tgctctaaaa gagctctgaa atctgaagtt taattttcaa atcatcaaag 300

ttgaaaaaaa tgcacacaca tgacctctat ttatagccta agtgtcacac aaaattggag 360

gaaaatttga atttcacttg aatatgtgga gccaaacttt ggagccaaaa tttcactaat 420

tatgataagc gaattttaag tatggtgttg cccacctatc ccagatcaat tccaagattc 480

tccactaagt gtgcttaggt gtcatgaagc atgtaaagca tgaacgaca 529

<210> 4666
<211> 531
<212> DNA
<213> Glycine max

<400> 4666

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ccccatgaca aaatacatga aaatacaaaa taaaaatccc tattataaag actactcaga 120

atgcctcgaa atacaaggct aaaaccctat actactagaa tggacaaaat acaaggccca 180

aacaaaggaa aaccctattc taatatttac aaagataacc ggcctcatac ttagcccatg 240

ggcttgaaat ctattctaag gctcatgaga accctaagac ctttccttgg atctctggcc 300

taatatactt ggagtcttct atccaatgcc cttgcggggt aggattgcat caacttcctt 360

ggcttcttgt acaaccattc tttttagctc tgagggaaaa ccccaattcc taatttcccc 420

atccttaact tgtgttacca gggggataaa aggaacggct agctcctcgg tttcattacc 480

ttcacaagac tcattatccg atctataccc ttttatcgca acaaaaaaaa a 531

<210> 4667
<211> 456
<212> DNA
<213> Glycine max

<400> 4667

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actagaagaa taagatgatg catattaatg tgtgcatccc tacgatgcca caaccaagaa 120

tcatctattt tacttaccaa gtaactcaac tcatgaaatg atgcatgctt aacattcagc 180

atatagatat tacctattct cttgccaatg tggacaactt tatcggacat ggcttcactt 240

gtaagacaac aatttttgtt gaattcaatt ttgaagcctt tgtcccaaag ttgactaatg 300

cttaaaaggt tgtgttttag tccatccaca tataacatgt tctttatttg agttttgtgt 360

tgatttccaa tatttccttc tcctattatt tttcctttgc tattgcctcc aaatgtgaca 420

tgtcctccat cttttgacac aaagtcagag agttta 456

<210> 4668
<211> 515
<212> DNA
<213> Glycine max

<400> 4668

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tcattatgac ctttcaagca atagatacaa tccaggttga agaaatcatc ccaatctgaa 120

atggacaagt cctccacaac aacaacaaca tattcctcct tttcagaatg ttgctggtcc 180

aagcaagcca tatgttcctc ctccaatgca gcaacagcag cagcaatcac aacaaagaca 240

acaagcaact gaggcctctt ctcaaccttc cttagaagag ttagtgaggc aaatgaccat 300

ccagaatatg caatttcagc aagagacaaa agcctccatt cagagtctga caaataagat 360

ggggcagatg gctacttaga tgaaccaagc tcagtcccaa aattctgaca aattggcttc 420

acaaactgta caaaatccaa aaaatgtgag tgccattacc ttgaggtctg gcaaccaaat 480

tcaagtggcc tcaccagtag cagcacctgc acctg 515

<210> 4669
<211> 544
<212> DNA
<213> Glycine max

<400> 4669

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gtatgtatac atgattttga tgatgtcaaa gaagaatcta acaaggctac ttcaaatgat 120

aagcatttgc ttcaagaata attcaagatt gcttcaacaa acaaagcctt gtttcaagat 180

tcactaaaga ccaagccttg ccttaaaaca aagtgctttc aagacatgca aggctctggt 240

aatcgattac caggaagtgt aatcgattac ccgaagcacg gttgagaaat agctgttgaa 300

aaaggttttg aatttgaatt ttcaacatgt aatcgattac catatgtctg taatcgatta 360

ccagcaacga aactttggaa catcaaattc aaaagtcata acccccttcaa ttataactgt 420

gtaatcgatt acacaaacat tgtaatcgac taccagtgga aagtttttag aatatctgcc 480

accgccacat cttttcatta gatttgtgaa tggtcatcaa aagcctaata ataggtgact 540

tggg 544

<210> 4670
<211> 273
<212> DNA
<213> Glycine max

<400> 4670

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tccagcgcca gtgttgcaac ccacatactc acactgcttt ataaacatga aggctgtccc 120

agttttctac caagttccgg attgaagagt taattttgtg tagtttttgg gactctgaac 180

tgtttttgtg agccaccttg atgtcaccct aacatcaagt gttggacctc actgtgtaaa 240

gttgatctct ttgttagaaa agcacctctg gtg 273

<210> 4671
<211> 248
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4671

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ctgcctcact ggcttatctt catcctctaa aagcatccca tgcatgccgg tagatgggct 120

aatactagga atgtttgcta aagtccatct aatggctttc ttgtgcttct tgagaactat 180

caacaacctc tcgtcttgct taccagcaag ggaggcacag atgatcactg gacaattttt 240

cttgtcct 248

<210> 4672
<211> 461
<212> DNA
<213> Glycine max

<400> 4672

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ggggaagggt agatgggaca gccccaactc catgaatcca cttccttcct aatagcaagt 120

taaaattagc cttagactgt atcaccacga aaagagttgg tcgaactata ctgcctacag 180

caacatctac ttgaatggct cccaaagaat agtcagcttt accctcataa ttccaaagca 240

caatgttgtg ggcagataga tcagtgtcat gtttcccgat cttgtagagc atagatcgag 300

gcattaagtt gacagccgct ccttcatcaa tgagcacttt gttgattcca acattctcaa 360

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aaaaagctaa tttgctcttc ccccacaccc attattcata a 461

<210> 4673
<211> 355
<212> DNA
<213> Glycine max

<400> 4673

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aagttattgt cgttttgaat ttgcatagag cttttgtttt caatttcgag cgtctcgata 120

tattacgaga gtcaatcgga cctccgagta aaaagttgtt gttgttagaa tttgctcaaa 180

acttcttttc tgaatttcga gcgtctcaat atactacggg acacaatcgc aaatcagagt 240

aaaaagttat tgtcatttga ttttgctcag agcttctgtt ctgaatttcg tgcatctcga 300

tatactacgg gacacaatcg gacattcgag taaaaagtta ttgtcgttag atttt 355

<210> 4674
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4674

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atcaatctca agtacagttt gccctagaaa ggggactccc agcattgctt ggtgtactaa 120

gcattcacag gctaacattc ccttcaagat catttgatat ggtccattgc tctagatgcc 180

ttgtcccatg gactgattat ggtattactt taatcttttc acttaaacat taaatgtatg 240

cattagaaaa aatatatttt tttaatttcc tacttccatt ctgagtgttg gaaagttcta 300

ggtcccctgc gtcagttatt gggatgcttt atatatctaa tgggcatttt tatttagtgt 360

taattggntt tgacacggaa tctaaca 387

<210> 4675
<211> 380
<212> DNA
<213> Glycine max

<400> 4675

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gcatgactcc ctatgaagct ttgtatggta taaggtgtag gacaccccta tgttggttag 120

agcacggaaa aggcctcacc ttacgaccag aagtggtaca gtaaaccact tagaaagcta 180

agctaattta ggaaaggatg agaactggtc agagtacgca gaaaagttat catgataaga 240

ggaagaaaga tctggaattc gacggtggtg atcatgtatt cttgatagtc actccatgga 300

ctggggttgg gcgagcattg aaattccgaa aacttacacc tcgcttaatt ggtcctttcc 360

taaatcttaa taaagttggc 380

<210> 4676
<211> 406
<212> DNA
<213> Glycine max

<400> 4676

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atcctttgta aatatctcct atctagtcac actacatgtt ataagttagg gcttgaatgg 120

ttcttttcca aaagatatct tgcaaatatc aacgttgaag atgcttgact tctcagacaa 180

acaagatctt gggggttctt tgccaaactt cccacaacat ggttctcttc atgacctgaa 240

tcttagctat acaaatttct caggagagct tgcaagtgca atttccaatt tgaagcaggt 300

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actcatccaa cttgcttatc tagacttgtc ttacaataac tttaca 406

<210> 4677
<211> 301
<212> DNA
<213> Glycine max

<400> 4677

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aagttctcga gagcttccgt tgttacattt cgagcatatc catatattat gcgcatgaat 120

cggactttca ggcgataagc cttgacccta tgaatttctc aagagctttc gatgataaat 180

tttgagagtc tcgatatatt atgagcctga atagctgtac cgcgtgaaaa gttatgacag 240

tgtgagaccc tcgagagatc tcgttgtata attgagagag actaagtata ttaagcgccg 300

g 301

<210> 4678
<211> 444
<212> DNA
<213> Glycine max

<400> 4678

agcttatgcg gcaaacatct acaatagacc tcctcaacct cagcagcaga atcagccaca 60

acagaacaat tatgacctct ccaacaacag gtacaatctc gggtggagga atcatgccaa 120

acagcatcaa caacaatctt attttcaaaa tgctattgcc ccaagcagac catacattcc 180

tccaccaatc cagcaacaac aacagcaaca gccccagaaa cagcagacag ttgacgctcc 240

ttcgcaacct tcccttgaag aacttgtgag gcaaatgact atgcaaaaca tgcagtttca 300

acaagagacc agagcctcca ttcagagctt aactaatcag atgggacaat tggctacaca 360

gttaaatcaa caacagtccc agaattctaa tagattacct tctcaatctg tccagaatcc 420

cgataatgtg agtgccatac attg 444

<210> 4679
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4679

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ctatacgaga catcttgcca aacaaagtca ggttagccat aactcgcctg tgcttttttct 120

tccatgctat atgtagcaaa gtcattgatc ctgtcaagtt tgatgagctg gaaaatgagg 180

ccgcaattat actatgccag ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttctcttgat tgtgcatctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt 300

ggatgtaccc agttgagcga ttcatgaaga tcttaaaagg atatacaaag aatctatatc 360

atccagaagc atctattgtt gagaggtaca ttgcagaaaa agccattgta atttgttcag 420

aatacattca gaaggctaaa cat 443

<210> 4680
<211> 443
<212> DNA
<213> Glycine max

<400> 4680

ttacacatat actgtaatcg attaccagag tagattctta taatatattc tcaacagtca 60

catcttttta tgtggttctt gaatgactat caaaggccta tatatatgtg acttgagaca 120

cgaatttgcg aagagttttt cagaacaaaa aggtcttatc ctcttataaa gaaaaatcgg 180

tttatcctct tacaaattcc ttggccaaat tacttatgat tcaataagga attatttgag 240

tgctcaaatt gttcaatcta tctctttcaa gagagatttc ttcttttctt cttcttcatt 300

ctgaaaaggg attaagagac cgagggtctc ttgttgtgaa agaattctaa acacaaagga 360

agggttgtcc ttgtgtgttt agaacttgtt aaaggaactt acaagatagt ggaactctca 420

agcgggtctg cttgtgactg aac 443

<210> 4681

<211> 433
<212> DNA
<213> Glycine max

<400> 4681

gcttagatga tgcagctgag tttgtagcta cctcatgcac tcctctaatg actatagcat 60

catttctggc gctaaactgc tgggagttgg aagccatctt ctcaattaaa tttctggctt 120

cagcaggagt catgtctcca agggctccac accactggca gcatttatca tacttctctc 180

catattactg agtccttcat aaaaatattg gagaagcagc tgctccgaaa tttgatggtg 240

agggcaactg gcacatagtt ttttaaatct ctcccagtat tcatacaggc tctctccact 300

gagttgtcta ataccttaga tatccttcct gatggttgtg gtcctggaag cagggaaaaa 360

aatttctaag aatactctct taaggtcatc ccagctcatg atggaccttg gagcaaggta 420

atacagtcag tcc 433

<210> 4682
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4682

ctaagctngg tacaattctc tcatcctatc ctccaactcc catgtagaat caccctcatc 60

ggttccccac tgcaccttca ccaacgcgat ctcctttcct ttcaacgact tcattcttcg 120

gtcagtgatc ttctgaggtt gtgctttata ggtgaggtta tccttcacct gtacctcgtc 180

cactgcaaga atatgtgatg gatccgggtt gtaccgtctc agttgagaga catggaacac 240

agggtgcaaa ttcgataaac tcggaggtaa ggcgatatga taagctacag gcccaatctt 300

cttcaaaatc tgatatggac ctagatactt gggtgtcaac ttcctagcct tgagagctct 360

tccaactncg gttatgggag aaaccttcaa aaacacatgt tcttcttcct gaaaatctag 420

tgggttccac cttctatcat aatagctctt c 451

<210> 4683
<211> 355
<212> DNA
<213> Glycine max

<400> 4683

aagagcagtt tccaacaaaa aaatggaaga ggcagagaaa gagatcttgg aaacgtttag 60

aaaagtagag gtaaacatac ctctgttgga tgcaataaag caaattccaa gatatgccaa 120

attcttgaag gagctgtgca ctaataagcg gaagcttaaa ggaagtgaac gaattagcat 180

gggcagaaat gtcttcgcat tgattggtca atctgttcct caaattcctg aaaaatgcaa 240

agatccaggt acattcagca taccttgtat tatagggaat agtaagtttg acaatgccat 300

gctagattta tgagcctctg ttagtgttat gcctctgtcg atttttaatt ctcta 355

<210> 4684
<211> 431
<212> DNA
<213> Glycine max

<400> 4684

gctttatctc agtagtagta taatgtgctt gatcatcatc tcacgtccta taagcataat 60

atatcaccct gcgcaattta tcaatttttt gagcaaggac agcccccaat gcataatttg 120

atgcatcaca cataagctca aaaggggctg tccaatcacg tgcctggatg atgggggtgg 180

tagtaaacgc tcttttgagg caatcaaaag cctctttgca tctgtcatta aagtcaaact 240

ccacctcctt ttgcaacaag ttggacagtg gaagggctac tttgctaaaa ttccttacaa 300

agcgcctgta gaatcctgca tgaccaagaa aagatcgcac ctctcgcaca caatagggtg 360

taggcaattg cgaaataaca caactctttg caggatctac ttcaataccc ttattggaaa 420

taatgtggcc t 431

<210> 4685
<211> 432
<212> DNA
<213> Glycine max

<400> 4685

agcttaccag tgccatattc actgcaactt gctggtatat aagatacaaa gaaaatcaca 60

tgcatttgca aataaacgtg atgatattct aactggacaa tgttctgtca tgcattccaa 120

tattccatga tctttgctat tatttttagt gatatattta tatatatgag atatgtgagt 180

ttgcgtttat gttttgaaga taaggagtat ggaccaagaa ctgtaaaaga tttgaagtta 240

attagtgccg gataaatatt ggagaacaac agaacagtgg gagaatgtca gagtcccctg 300

tgtgatctac ctggtggagt tataacaatg catgtggttg tgcaaccacc ttctgtgtga 360

gaagggttag tattactata tactcgttta tttataggca tgccacacag tctgtttact 420

cgtatataca gc 432

<210> 4686
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4686

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aatactacta acttgactgt agtgtgcctg tatgtagatg acttgcttgt gacatgttat 120

aatgagacta aaattgccaa cttttaagga gagatgatga gagaattcga tatgactgat 180

ttggacctta tttcttattt tcttggaatt gaattctaga gagctgatga aggagtgatc 240

atgcatcaat ggaagtatgc aagagatgta ctgaagaagc tcatcatggt tgactcgaat 300

tctgcagaca catccactgc cactggtgtg aacttggtga aagatcctaa tgaagaagac 360

atagatgtac tctgtatata cacatggtgt gctcactgag gtatctttag tgtactagac 420

ctga 424

<210> 4687
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4687

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tgtcttgtga agttgaaaac caaatttaga gaagatccaa cggttaacga aggctggaca 120

gtgtttctac cgaggcagct tcatgtagtt ttctctagaa gcttcattaa gaggcttcct 180

ccagaagctt cattaagagg cttctagcac actacagaca tcttctaaac gatcccaacg 240

gtcagatcat ggaaaagttt tttgtgaagt tgcagaccaa atttcgagaa gatccaacgg 300

ttaatgaagg ctgggcagcg tttttaccga ggcagcttca tgtagctttc tctagaagct 360

tcattaagag gctttctcta gaagcttgct cgtggcttct atgagaagct ctctgaagag 420

gattctttga gaagctacat ncttatctat 450

<210> 4688
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4688

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cggatttgta ttttttatgg gtgattgtgt ttttacatgg agttctaaga agcaagacat 120

tgtgacactt tttacttgtg aagccgagta tgtagctgca acttcttgca catgtcatgc 180

catttggctt agaagattgt tggaggaact tcagttgttg caaaaggaaa gcacaaagat 240

ctatattgat aatagatctg cacaagagct tgccaagaat ccggtgttcc atgaacgaag 300

taagtatata gatacaaggt agcatttcat tagagagtgc attaccaaan aagaagtaga 360

attgactcat gtgaaaactc aagatcaagt tgcggatatt ntcaccaagc ctcttcaaat 420

tgaa 424

<210> 4689
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4689

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ggatccctac acatgttcat tttaacccaa attgcaataa actcatccct tatctctaag 120

cgggctcacg ggtgcagctg gcagggatat caacgtctct agtggttccc taagatttct 180

gaaatttttc ctctgtttgc tttgttaggg tttccaagtg ttagagagaa ggagaagaaa 240

ttggagcctc caattcactg tatatgttca atgagaattt ctccctccat agacattact 300

ttacaaatcc caacactaga catgtgtaga aattagttcc aaaggtggtg tccaaatttc 360

actaggatcc aacagttaac aagtccggga tcgtagttnt cttgggatgg gtttggatgt 420

atatgggaat gagatcctaa tctc 444

<210> 4690
<211> 423
<212> DNA
<213> Glycine max

<400> 4690

atacaagaat gaagctctga taccacctgt tgtacaagtg gcctcaaata tcttaagaag 60

gggggttga attaagatat tacaaattat ttcccccaat tacaaattct actttgattc 120

caatacaagt tccaagttcc cttaaagatg gatttctaaa caatgattca aattaaacaa 180

tctgaatata aatgtaaagc aataataaca taaaagagtt taatggaaga gaaagtgcca 240

actcatattt atactggttc ggccacaccc ttgtgcctac gttcagtcca caagcaacct 300

gcttgagagt tccactatct ttgtaaatcc ctttacaagt tctgaaccac acaatgacaa 360

cccttacttt gtgttctgat ttgtttacat caagagaccc tccgtctctt aactcctttt 420

tga 423

<210> 4691
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4691

agcttgtaaa ctagccatgg tctagctact tgcataccct gagggatgac catgtagact 60

tcttcattta aattaccatg taagaaaaca ttgttcacat ctagttgttt gagatgccac 120

ttattaatag cagctaaagc caataaaaat ctcactatgg ttagtttaac tactggagag 180

aaagtgtcca ggtagtcttg ttcttccacc tgagtatacc cttttgccac taatggcttt 240

atacctctct atggaaccat cagatttgtg attgatctta tacacccatt tacaatcaat 300

tatagtcttg tgatgaggaa gatcagtgag aacctangta tcattaagct ctagtgcttt 360

gatctcaaca ttcatggctt caatccaatt aggatcctta gatgctccac tgtataactg 420

aggttcaaca ctctgtgtga t 441

<210> 4692
<211> 454
<212> DNA
<213> Glycine max

<400> 4692

agcttcagta aaatgggaca gctggcctag atgatgcaat cctacccccc cccccaaggg 60

cattggatag aagactccaa gaagattggg ccagagatgc aagagaaggc cgtaaggttc 120

tcatgagcct tagggtagat tttgggccca tgggctaagt atgagcccac ttatctttgt 180

acatattaga ttaggatttc attatttttg ggtcttgtat gtagggcttc ataatgtagg 240

tagggtaccc tagaaatgta ggatttttca gcccttgtat tttagggcac ctagactagt 300

ttttgtatta cgggtagttt tgtaatttca catgcattaa gtgaatattt gatgtgtgtg 360

ttgagaaatc aatttaattg aattgggaga agcccaatcc aattataatt tagaggggga 420

ggtgagcatt tgcttgctgc acctcattgc caca 454

<210> 4693
<211> 430
<212> DNA
<213> Glycine max

<400> 4693

agcttcggtc ttcaatttcg agcgtctcga catatttcgg gactcaatca gacatccgag 60

taaaaagtta ttgtcatttg aatttgctca gagctaaggc attcaagtcc gagggtctcg 120

atatattaca ggactcaatc agacatccga gtaaaaaagt tattgtcgtt tgaatttgct 180

cagagcttcg gcattcaagt ccgagcgtgt cgatatacta cgggactcaa tcagacatcc 240

gagtaaaaag ttattgtcgt ttgaattttc tcagagcttc agtcttcaat ttcgagcgtt 300

tcgatatatt acgggactca atcaaacata cgagtaaaaa cttattgtcg cttgaatttg 360

ctcagagctt tggtattcaa tttccagctt ctggatatat tacgggtctc aatcagacat 420

ccgagtaaaa 430

<210> 4694
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4694

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actaagctca cctccttgag aagcatcctt aagaagattc gtaaagaagc tagagcttag 120

ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180

tacacacccc ctataatagc taagctcacc cccatgacaa anaacatgaa aataaaaaaa 240

agtccttatt acaaagacaa ctcaaaatgc cccgaaatac aaggctaaaa ccctatacta 300

ctagaatggc caaaataaaa ggccttgacg aaggaaaaac ctattcgaat gggtcataat 360

tttcacacgg atgtccgatt cggtacataa ctcatctaga cgctcgaaat tgaacaacgg 420

gagctcttga caattcgaat ggtctaacat 450

<210> 4695
<211> 431
<212> DNA
<213> Glycine max

<400> 4695

agctttaagc aaattcaaat gacaataatc tttgactcgg atgtccgatt gagtcatttt 60

ataatttgag acgctcaaaa ttgaatgcag gagctcttac caaattcaaa tgccaataac 120

tttttactcg gatgtccgat tgagtcccgt aatatatcta gatgctcaaa attgaaaaca 180

gtaactctaa gcaaattcaa acgacaataa cttctaactc ggatgttcga ttgagtcatt 240

taataattct tgacgctaga aattgaatac agaagctctc accaaattta aatgacaata 300

acttttttact cagaagtctg attgagtcct gtaatttatc tagacgctca gaatcgaaaa 360

catatgctct taggaaattc aaacgaatgt aacttttgac tcagatgttc gattgagtca 420

tttaataatt c 431

<210> 4696
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4696

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atttatgttg tgtgaatttt tcaattttgt tacggaatgt atgtttttaa tttgcgatat 120

aattcaaaca ctgaaaagat tctttttttac atttttattt aatcatgaaa tttaaatgat 180

tgagtttttg taataatcac ttanaaaatt atatttaaaa taatttctaa ttagttgata 240

gtataatttt ttttttttac aataacaaca tgttaaaagt aaaatgttaa attgattgaa 300

ttttaattnt tatggttacc tcctttacgt ggactaaact gtaatatttt ttaaacaatt 360

aagaaattta gtgtaatgta taaggagtgt tgttataata tttntaaaat aattaagaaa 420

tgttagtata ggaatagaaa aaacatggag agattga 457

<210> 4697
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4697

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gactgttttt cttccatgtt ttagttgtat gtagcttgtg ttttcttcac agatggggca 120

tgcatgatga cccttaacac tgtaaccgct gagatttcca tatggtggaa agtcattaat 180

ggtacaaaaa agcattgcac gcatttcaaa cgtttccttg caaaacgcat caaacactac 240

aacccccctgg tccaacaact tttccaggtc ttcaaccaac ggacttagat aaacatcaat 300

gtcatttcct ggctgtctta ggcctgatat catcatagac aacatcatgt attttcgctt 360

catgcacaac caaggaggca aattgtaaat tactagcaga actagccatg aactgtgttg 420

agtgcttaag gtgccatatg gattcatt 448

<210> 4698
<211> 338
<212> DNA
<213> Glycine max

<400> 4698

tgaagctgac aggatcaaca atggttggtt gaattatctc cttagctggg aagacacccc 60

atgtgacagc attaacatca gtttgaccca cattagattt ccagctcccg tctttattca 120

cagtcatata agttcaagat gtttgatcct tgcattcatc aacaagtgca tccagctttt 180

ccttagagca gaagaactct acatatgcct tctggtaaac atacccgcct ggtccacccc 240

agactatgcc aaatttcaaa cacaaacgat ttactgtatc tcatatccac caaccaatat 300

ggaccagata tgaataccct catcacaaac tgcaccct 338

<210> 4699
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4699

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ggagatgctc ccctcactac cgttggagga ggcaaggaag gagacggaca cggtgctctt 120

cggggccgtc gacgagctct tggagaaaac cggtgttgaa gccaaagaca ttgggattct 180

tgtggtgaat tgttgctcgt tcaattccac accatctttc tctgactcaa ttgtcaaccg 240

gtacaagctt agagggaaca ttttggctat aattctagtg ggatggggtg cagtgctggg 300

gtcttgctgt tgacttggca cacagttcct cagggtctct cttacatcat ggctataaat 360

aatattcatg cattttgatt gtttactgca tacata 396

<210> 4700
<211> 417
<212> DNA
<213> Glycine max

<400> 4700

agcttgaagg aaaactggat gcattggtta acttggtaac ccagctggct ttgaaccaga 60

aatctgtacc tgttgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc cgaagcttat gctgcaaata 180

tttacaatag agctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240

tctccagcaa cagatacaac cctggatgga ggaatcaccc taatctcaga tggtctagcc 300

ctcagcaaca acaacagcag cagcctgctt cttccttcca aaatgatgct ggcccaagca 360

gactatacat tcctccacca atccaacaat agcaaaagca ccagaaacaa ccaacag 417

<210> 4701
<211> 409
<212> DNA
<213> Glycine max

<400> 4701

agaatcatta cgcataggca aaagatcaag aggagttagt ggattaaaac cataaacaac 60

ttcaaaagga gaacaattag tggtgctatg aacagctcta ttgtaagcaa attcaacatg 120

gggtaaacaa gcttcccaag tttttaagtt ctttctcaaa actgtcctaa gcaaagttcc 180

caaagtacta ttaacaactt ccgtttgccc atcggattgt gggtgacaag tggttgaaaa 240

taacaatttt atgccccact tgctccacaa agtgcttcca aaatgactta tgaacttaga 300

gtccctatca ctaacaatga ttcctggcaa accatggagt atcacaatct cccttgaaaa 360

caaattagcc acatgggaag cgtcatcaaa ctttttacat ggaataaat 409

<210> 4702
<211> 436
<212> DNA
<213> Glycine max

<400> 4702

atatgtatat aaaatgacat aacaaagcta ctaaaaatct aaaacataga ttaacactaa 60

tagaaatcag agactagaaa gagcagtaaa aaggtaaatc acctttggag gtttaattcc 120

aactcgaagg aagagctcag gattcattat aggcagttca attgactccc tcaattccct 180

gatctgatca gataagccac caacagctga gtagctgata ttaccaggat cttcatgcaa 240

catattgtaa actactggat caacctggca actccaacga caaagaatta gagacaatag 300

tgaccaccag ggatccaata aatcagatct tagcacaaca ggaaaagaac atgttcataa 360

aatgaaaata ttaaaataat aaactacgac ttacttctcg aggaagagct cgcattatgg 420

tgagtgttgt catatc 436

<210> 4703
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4703

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ttcctttctt caattttaac tgatagttga agtaggaata atccatttat catactctaa 120

atatgcttag cattaatgtg acgaagaaat gtctccttgc agaaggttgg tgtcctgttt 180

ttgcaacaag tcaggttcgt ccttgaacta tgaatttaat ttctgataca ttgtgcataa 240

accttcatgt aatgcagttt ttactggctg gtatagctaa ttaatttgat tcaatacttg 300

acagattcac aaagtattgc agcgggcaac tatggactgc agttctcaag ttgtggcgat 360

attccaggtt ttagagacaa cggaatcacc acctacctat tgttgcacaa acaaattcac 420

ttcttctcaa gaaattggtg atgcctatgg gtaatttacg tagacctcag catgtgc 477

<210> 4704
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4704

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tcgaatttac ccatgaattc tctcaaaaca tggttcatta atctcataaa attgcttggt 120

gcataagtca aaccgaaagg cataaccaac cattcatata atccatgttt agttttgaaa 180

gcggatttcc attcatctcc ttctttaatc cttatttgat agtaaccact tttcaaatca 240

attttggaaa agaacaagca ccatgcaatt catcacgcaa atcattaagt ctacgtattg 300

gatacctata tttaatggca atattgtgtg aagctctaca catcggagca cattctccag 360

aaccatgtct ctttgaaccc aattccccga cagcacatgg acta 404

<210> 4705
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4705

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gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaaacaag gctcattttg 120

cttcaagatt aatacaagat tgtttcaaca aacagagcct tgattcgaga tttcttcaag 180

atcaagcctt gcttcacaat gagaggtttc aagtcattca aggcacatgt aatcgattac 240

caatacatgt aatcgattac caatggtttg aaagtgtgta atcgattaca catcatatgt 300

aatcgattac cagagactct gaacgttgag aattgaaatt ttaaatgaag ggtcacatct 360

gttcaagcat aataattgtg taatcgatta cactaatttt gtaatcgatt accagagcgg 420

attttcaagg aatatcgcca acagtcacat cttt 454

<210> 4706
<211> 358
<212> DNA
<213> Glycine max

<400> 4706

cagctattct tggtgggttg atgtactcta tctcgcagaa tggcatgatc actggcagac 60

atagtcataa tcaattcact tgcctcttta gggattctca actttatctt ccctcctgct 120

gaagcatcta acaactgctt gggttgcggt ctcagcccat ctataaacat gttcaataga 180

attggctcag agaatccatg tgtaggagtc tttcttaaca aacctcgaaa cctctccaat 240

gcttcactca aagactcatc atggaatggg tgaaatgatg aaataacaac tttcccttct 300

gcagtctttg actcggagaa gtatttcttc agaaattact caacaacttc ctcccacg 358

<210> 4707
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4707

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tgtgcttgaa taaatattcg acggacattg attgattgca ccattctatg ttgaggtgag 120

cctgatattt caacaataag attggattgt atggtaccac gtatctatcg tctanggtta 180

ttccattttt atctatattc ttactatcat tatgccttnt ataaatagga tattcctctt 240

gctcaacaac agtttcaggt ngctttttct ttgaaaacat ctacaacatg tttcatgcat 300

ggcgactctc tatttgcact gacacatgaa tcatgcatat acgattct 348

<210> 4708
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4708

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atgttaagaa taattttctt gaaattcgtg tcatggtcac gtattatagc catttgatgg 120

ctcttgaaga aaccatgtta aaagttgtga ctcttggcaa tttcttcaaa atcagtcact 180

gataatcgat taccataatg gtgtaattga ttacacagtt tattttatca aaggttgtga 240

ctcttcatgt tgaggtttga aatctaacgt tcagaatcac tggtaatcga ttacaaatat 300

tgtgtaatcg attacattat tttgaaaata cttttgaacg ttacaagaca atggtaatcg 360

attgcatgcc catgctaatc gattactact tggttaatca attataaaac t 411

<210> 4709
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4709

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agcagaacaa ttatgacctc tncagtaaca gatacaacct tggatggagg aatcacccta 120

atcttagatg gtctagccct taacaacaac aacagcagcc tgctctttct tccaaatgtt 180

gctgcccaag cagacatata ttcctcacca atcaacaaca acacagcccc agaaacagaa 240

acagtgacgc tctcgaacct tcctcgagaa cttggagcaa tgactatgca aaatgcattt 300

aacagagaca gacctcatca gagttactaa tagatgacaa tgctacacat aatcatacag 360

tcc 363

<210> 4710
<211> 311
<212> DNA
<213> Glycine max

<400> 4710

agcttggaag gtagtcttac ctcacaaata tatatatgta tgtttaggtt tcttgatacc 60

ttggatatgc atgtatgtgg caaaaaatac ctcacaatat atatatgtat gtttaggtaa 120

cacgatacct tggatatgca tgtatgtggc aaagaatacc tcacaatata tatatgtatg 180

tttaaggagc aagatacctt ggatatgcat gtatgtggca aaaaatacct cacaatatat 240

atatgtatgt ttaggtagca agataccttg gatatgcata tatatagcaa aaatacctca 300

caaaaatata c 311

<210> 4711
<211> 132
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4711

gctctcgaga aattcaaatg gtcatttact tatcacacct aagttttatt cangcgcata 60

atataccgag acgctcgaaa ttgaacaacg gaagctctcg agaattctaa tgggccttac 120

ttatcacacc aa 132

<210> 4712
<211> 322
<212> DNA
<213> Glycine max

<400> 4712

actagctatg tgacatttgg agatggctct aaaggaaaga tcattggaat gggaaagcta 60

gtccatgatg gaccttctaa tctgaacaaa gtactgctgg tgaagggact gactgcaaac 120

ctgatcagca tcagtcagtt gtgtgatgaa ggattcaatg taaacttcac aaagtcagaa 180

tgcttggtga caaatgagaa gagtgaagtc ctaatgaagg gcaggagatc aaaggacaac 240

tgttacctat ggacacctca agataccagc tactcctcca catgtctatt tctccaagaa 300

gatgaagtca gaatatggca tc 322

<210> 4713
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4713

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tgaatggctc agaggttcaa aattcaattt cgagcgtctc gatatatttc gggactcaat 120

cagacatccg agtaaaaagt tattgccgtt tgaattggct cagaggttca aaattcaatt 180

tcgagcgtct cgatatatta cgggactcaa tcagacatcc gagtaaaaag atattgtcgt 240

ttgaattggc tcagaggttc aacattcaat ttcgagcgtg tcgatatatt actggactga 300

atca 304

<210> 4714
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4714

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aatatatcga cacgctcgaa attgaatgtt gaagctctag gcctattcaa acaacaataa 120

cgttttactc ggaagtncga ttcagtgacg taatatatcg ggacgctcga aattgaatgg 180

tgaacctctg agccaactca aacgacaata acttttttact cggatgtctg attgagttcc 240

gtattatatc gagacgcttg aaattgaatg ttgaacctct gagccaattc aaacgacaat 300

atactnttac tcggattgtt gatggagtcc cataatatat cgagacgc 348

<210> 4715
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4715

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taaatcgaga agcttgaaat tgaacaacgg aagctctcga gaaattcaaa tgggcattac 120

atatcacacg gaagtccgat tcaggcgcct aatatattga gacgctcgaa attgaacaac 180

gaatgctctc gagaaattaa aatggtcata acttgtcaca cggaagtctg attcaggcgc 240

ataatatatc aagacgctcg aaattgaata acggaagctc tcgagaaa 288

<210> 4716
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4716

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aacaacctta ttagcaatca agactccatg caacaactgt ctacccttaa caaatgctga 120

ctgtctttca tcaacaaagt gattcaatac cttactaagc ctattagata ggactttagc 180

aataattntg tagacacaac ctatgaggga tatgggtctg aaatcactta tatgtcgagg 240

atccttgagc ttaaggataa gagcaatgaa tgatgaattg aggcccttag gaaaagcagc 300

attcacatga aattctgcca aaaaccttaa gaaactcaag ttcagctcat tccataaatg 360

cttaataaat atgaaattaa acccatctg 389

<210> 4717
<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4717

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tagttccacc ttcaatgtct ctgatttatc tctttttgat gcagatggag aatccgattt 120

gatgacaaat ccttctctag agggagagaa tgatgacgac atgttcaaaa gcaagggcaa 180

cgatccactt gaaggacttg gacgacctat gaca 214

<210> 4718
<211> 208
<212> DNA
<213> Glycine max

<400> 4718

tcagatatct taagaagggg gggtgaatta agatattacc aactatttcc ccgattaaaa 60

ttctatttca ctttctattc aaggtacaaa ttcccttaat aatgaacttc ttaaatattg 120

attcaaatag aaaaatttgg atattaatat taaaccaata ttaattaaag agttttaggg 180

aagagaaagt gccaacttag atttatat 208

<210> 4719
<211> 293
<212> DNA
<213> Glycine max

<400> 4719

ctcagctgga ttcctttagt agggaatcta ttcttcctaa gatggttcca aacccagtca 60

ccctcattaa gaactagctc ttttcttcct ctattgcctt tagttgaata caccttggt 120

tgattctcta tttggttctt aacctctca tgcatcttct ttacaaattc tgacctagat 180

tccccttctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacggtgtt 240

aggggattga acccatagac aacctcaaaa ggggactgct tggtggttct atg 293

<210> 4720
<211> 328
<212> DNA
<213> Glycine max

<400> 4720

tcttaagaag ggggggttga attaagatat tccaaacttg ctcccctaat taaaaatcta 60

tttcactttt tactcaaatt atgaatttcc ttaatgacca tcttccttaa tatttattca 120

gatgaagcaa cttgaatatg aatataagcc ataataaatc aaggagatta acggaagaga 180

aaatgcaaac ttcagtttat actggttcgg ccacaccctt gtgcctacgt ccagtcccca 240

agcaacccgc ttgaaagtgc actatcttgt aaattctttg acagttctaa cacacaggac 300

aatcttcttt gtgttagaat ccttacac 328

<210> 4721
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4721

tcctcgtggt ttctttgaga agctntctca agaagcttct tttagaagct agatccttat 60

ctatccacac ccctctatta actaaattaa cttccttaaa aataattatg gatgaaaata 120

acgcaacaaa taatcaaaca tcaaatataa ttactatata tatatatata tatatatata 180

tatatatata tatatatata tatatcaggg tgttacaact ctcccaccct tttagaaatt 240

tcgtcctcga aatttacctt actcaaacaa ggatgggtga gcttctcgca tctgactttc 300

taattcctac gtggcatctt ctcctgatgc acctccccag atcaccttga ccaacggaat 360

ctcttttcct cttaagtgtt tggtcgccta tcctcgatcc tcaaaagcaa tggttcatat 420

gtcaaattct ccttcacttg tacatcatcc aattcaatca catgg 465

<210> 4722
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4722

agaaaacatg tgggccatca tcgaccaata caaggaaaag ttaagcctag cggtcactca 60

caaacaaagg ctataggacg actgcgtgaa agtataagtc ctgcaagtgg aaagggaagc 120

aagggaaagg gtgatcgatt cattacacag agaagcaatg atgtggatgg ataggttctc 180

ctttactgaa attctgatac tggggacaga tgtcctacag gatgtcacga catcgcgctt 240

cataacatgc agcttgtata tgaccgtatg aacagattaa acaagtntat aacacaagag 300

aattg 305

<210> 4723
<211> 427
<212> DNA
<213> Glycine max

<400> 4723

tctggtggga catcttgact cgcgtttcta tctgacattc accacagaat ctagcttctt 60

ctattttcag attgggaatg cctctaacag cacctctgtc aatgattatc ttcatgcctc 120

ttaagtgcag atgtccgaat ctttgatgcc atattctgac ttcatcttct ttggaggata 180

gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtagcagttg tcctttgatc 240

tgctgcccct cattagaact tcactcttct catttgtcac caagcattct gactctgtga 300

ggtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360

ccttcaccag cagtactttg tccagactag gaagtccatc atgaactagc tttcccattt 420

catgatc 427

<210> 4724
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4724

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ctattntcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc acattctgac ttcatcttct ttggagaata 180

gacatgtgga tgagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300

agtttacatt gaatccttca tcacacaact gactgatagc tgatcaagtt gcagtcagtc 360

ccttcaccag cagtactttg tccagactag gaaagtcatc atggactagc tttcccattc 420

agtga 425

<210> 4725
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4725

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tgctttgctg atggcttctt ctcgttccaa gcttcaattg gagtcttgtt tttactgact 120

tagttggaca tctcgttagt atgtaaacag cagtgtagac tgcttcagcc cagaatgtgt 180

tatgtagtcc cttttccttg agcatcgatc tagccatctc cataattgtg cgattctttc 240

tctcggacan ctccatttgt tgaggagaat atgcgactgn taagtgtcgc tcaatgcctt 300

catccttaca aaatctttca cactcacgag aggtgtactc tttgtcgcga tcacttctt 359

<210> 4726
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4726

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tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120

ataccaggaa tgtccgccag ggtccagcct ataaccttct tatgcttctt gagaactgac 180

aacaacttct tctcttgctc atcagcaagg gaggcagata taatcactgg aaaactcttg 240

ctatcatcca agtaagcgta ttttaaattt gatggcagaa gcttcaattc tggtgtggt 299

<210> 4727
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4727

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gatatcttaa gaaggggggg ttgaattaaa atattccaaa ctacttcccc aattaaaaat 120

ctatttcact ttttattcaa gttatgaatt ccctcaatga caatcttctt aaatattgat 180

tcaaataaaa caatttgaat atgaatataa agcaataata aataaaggag attaagggaa 240

gagaaagtgc aaactcagat ttatactggt tcggccacac ccttgtgcct acgtncagtc 300

cccaagcaac ccgcttgaga gttccactat cttgtaaatt ccttttacaa gttctaaaca 360

cacaaggaca atccttcctt tgtgtttaga attcctttac aacaagagac tcacggtctc 420

ttaatccctt agagaatg 438

<210> 4728
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4728

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gtcataactt ttcacacgga tgtgcgattc gggcgcataa tatcgcgagg ggcttgaaat 120

tgaacaacgg aagctcttga gaaattcaaa tggtcatagc ttctcacacg gatgtccgat 180

tcgagcaaat cacatatcga gacgctcaga attgaacaac ggaaggtctt gagaaataca 240

aatgatctta acatttaact cgaatgtcca attcaggcgc atcacatata gtgacactcn 300

gaattgaaca acggaagctc tcgagaaatt caaatggtca taactnttca cactgatgtc 360

cgattcacgc ctataatata ttgatacgct cgaaattaac atcgaagctc ttgagatatc 420

aaatggcata actttcacat gatg 444

<210> 4729
<211> 389

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4729

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aatttcgcga gagctttcga tgtttaattt cgagcgtatc gatatattat aagcctgagt 120

cgtacatccg tgtgaaatgt tatgaccatt tgaatttctc aagagcttct cgtgttcaat 180

ttcgagcctc tcgacatatt atgcgcccga atcggacatc cgtgtgaaaa gttatggcca 240

tttgaatttc tcgagagctt ccgatgttta atttcgagcg tatcgatata ttataagcct 300

gaatcggaca tccgtgtgaa aagttatgac catttgaatt tcacgagagc attcgttgtt 360

caatttcgag cgtcactata tgtgatgcg 389

<210> 4730
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4730

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tatcgagacg ctcgaaattg aatgttgaac ctctgagcca attcaaacga caataacttt 120

tttcacggat gtctgattga gtcccgtaac atatcgagac gctcgaaatt gaatgttgaa 180

cctctgagcc aattcaaacg acaataactn tttactcgga tgtctgattg agtcccgtaa 240

catatcgaga cgctcgaaat ngaatgttga agctctgagc caatacaaac gaccatatac 300

ttttactcgg atgtctgatt gagtccccga acatatc 337

<210> 4731
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4731

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agttgagctt cccggtgagt ataatgttag ttccaccttc aatgtctctg atttatctct 120

ttttgatgca gatggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180

tgaggacatg accaagagca agggcaagga tccacttgaa ggacttggag ggcctatgac 240

aagggctaga gcaaggaaag ccaaggaagc tcttcaacaa gtgctgtcca tactatttga 300

atacaagccc aagtttcaag gagaaaagtc caaggttgtg agttgtatca tggcccanat 360

ggaggaggac taaatggcac cactttgtct caattttaga gtggttagtt tttctaaata 420

at 422

<210> 4732
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4732

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ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120

aggcaataga tctaaatatc tgggaagcca tagaaatagg gccttatata cccaccacag 180

tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaaccta 240

aagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300

taataacatc tgccctagga atggatgaat atntcacggt ttcaaaatgt aagagtgcta 360

acgaaatgtn gaacactctt cgattaacac atg 393

<210> 4733
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4733

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actagataag atcgaaattt ctcaagtgca aacataattg ccaacaattc tttctcaatg 120

gtggcatagt taatctaagc atcattcaaa actttgctag cataatatat ggtatgaaac 180

attctgctct tccgctgccc caacacagca cctactgcat aatcacttgc atcacacatc 240

aattcaaact cttgtcccca gtctggtgct gtaatcatag gagcagaaac caatttggct 300

ntgagagtgt taaaggcttc taaacattct tcattaaaca caaacacaac ctccttgttc 360

aacagatngc ttangggttt aagcaatttg gagaagtctt taatgaatcg ccgataaaat 420

ccaacatg 428

<210> 4734
<211> 454
<212> DNA
<213> Glycine max

<400> 4734

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ctactatcca gcatgccctg aacctgaatt aactatgggc gctgccaagc acacagatgg 120

taacttcatg actttacttc tacaagacca aattggtggt cttcaagttc ttcatcagaa 180

tcaatgggtc aatcttcctc cagtacatgg agctcttgtt gtaaacgtag gagaccttct 240

acaggtaaat attccaagtt attattctca atcgttagat tatgcatttt agagcttact 300

tttaagttta aatgtgtttt aggttcctaa tgaatcttag agcttacttt ctatgacaag 360

tgattgattt ttcttctaga tatctaatca agtgtgtcgt acaatctatt cattatatat 420

ggaaagtttc gtttgagtcg atgttgcact taaa 454

<210> 4735
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4735

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gataatttcc tcatttggtt ttgatgaaaa ccccatggat caatgcatat accacaagat 120

tagtaggagt aaaatatgtt ttcttgtttt atatgtagat gatattttac ttacagccaa 180

tgatccgggt ttgctacatg aggtgaaata atttctctct aagaattttg acttcaagaa 240

tatgggtgat acatcttatg tcattgacat taagattcat atagatagac ctcgaggtat 300

tttaggtcta tcacaggaaa cctatattaa caaaattnta gagagatttc ggatgaaaga 360

ttgttcacta agtgttgctc ccattgtgaa gggtgatagg tttaatttga accaataccc 420

acagaatgac tntgagagag aacatatgag aaacattcct tatgcttcac 470

<210> 4736
<211> 334
<212> DNA
<213> Glycine max

<400> 4736

agcttctaaa ctctgtacaa gaatgaagct ctgataccac tggttataca agtggcctca 60

gatatcttaa ggaggggggg ttgaattaag atattccaaa ctgtctcccc taataaaaaa 120

tctatttcac tttctactta ccttatgaat tcccgtagtg acaatcttct taaatattaa 180

ttcaaacaaa gcagcttgaa tatgaatatg atgcaataat gcatgaagga gattaatgga 240

atagaaactg catactcagc tatatactgg ttccgtcaca ctcttgagcc tacatccagg 300

ccccaagcaa cccgcttgag agaacactat cctg 334

<210> 4737
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4737

catgcaagct tcgtgatctt ggacaagagg gttntatgtt agcacatgca ccttattatg 60

aaaaattaga aactgagttc aagaagccat tgtatctcgg atgcgcaaac ttcacacgat 120

tatcgaaggt gttagctntg gtgaatttga aggcaagatt tgggtggagt gacaaaagct 180

tcaatgaatt acttttgtta ttgaagaata tgcttcctat ggataacacg ttacccaaga 240

atcattatga ggccaagaag aatttatgtt cagtgggtat ggaataccaa aaaatacatg 300

cttgccctaa tgattggtat ttgtatagaa atcagtttac acaaatggcg cactgcccta 360

catgtggngt gtcatgctac aaagtgaagt gatgatgcaa ccacatacaa ggatcg 416

<210> 4738
<211> 384
<212> DNA
<213> Glycine max

<400> 4738

ctaagcttct aagaacagcc ttgataccct ttattctcca tagaggcttc tccaaagaag 60

atggtatcat ccgcaaactg aagaatattc actgggacct tgttcttccc taccataaag 120

ctgtgaaata agattctgga cattgcttcc ctcatcaatc ctagtagccc ttcagcagcc 180

aagacaaata aaagaggggc caagggatcc ccttgtctca atcctctttg aggcttaaat 240

tcttcagttg gacttccatt tacaagaatg gatattgaag ctgatgagag gcaaccttta 300

acccaactaa tccatttttc gtggaacccc attcttctca tcatataaaa gatgaattga 360

caggccacag aatcataagc tttt 384

<210> 4739
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4739

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ggttatttct tcattcagct ttgaagagaa tgtcatggat cactgtatat actagaaggt 120

cagtgggagt aagatttgtt tccttgtatt atacatagat gatattctac ttgcgactaa 180

tgataagggt atgctatatg aggtgaaaca atttctctca aagaactttg atatgaagga 240

tatgggagag gcatcttatg tcataggcat aaagatccat agagaaagat ctcgaggcat 300

tntaagcttg tctcaagaaa cctatatcaa caaagtttta gagagattta acatgaaa 358

<210> 4740
<211> 312
<212> DNA
<213> Glycine max

<400> 4740

taaacaatga tcaaacttac tctgtggaac tggctttgtg tacatatcag ctggattgtg 60

cagagtgctg atcttatgaa ctctgattct tctatctgac cgaatgaagt gatatctaac 120

atctatatgc ttggttctat catgatgaac ctgatccttg gccaagcata tagcactaag 180

gctatcacag tagatgttag catattcttg attaattctg agatcattta tcagacctct 240

tagccaaatt cctttctttg cagcttcagt gagagccata tattcagcct cagtagttga 300

gagggcaaca aa 312

<210> 4741
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4741

tgtgcatcca ataccctgat gaggatgtcc catatgttct tttaactgga ctaatccatt 60

tgcttccaga gtttcatggc cttgcaggtg aagacccaca caaacatctg aaagaattcc 120

atattgtttg ctccaccatg aaacccccag atgtccagga ggatcacata tttttgaagg 180

cctttcctca ttctttagag ggagtggcaa aggactggct atattacctt actccatggt 240

ccatcacgag ctgggatgac ctcaagagag tattcttaga aaaaaatttc cctgcttcca 300

ggaccacgac catcagaaag gatatttcag gtattagaca attcaatgga gagagcctat 360

atgaatactg ngagagattt aaaaagttat gtgtcatttg cccgcaccac caaatttcag 420

agcagcttct tctccaatat ttttatgaag gactcagtaa catggagaga agt 473

<210> 4742
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4742

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tttgctgatg gcttcttccc gttccaagct tcaattggag tcttgtcttt tacagactta 120

gttggacatc tgttgagtac gtaaacagta gtgtagactg cttcagccca gaatgtgtta 180

ggtagtccct tctctttgag catcgatcta gccatttcca taattgtgcg attctttctc 240

tcggacactc cattttgttg aggagaatat gcgactgtaa gttgtcgctc aatgccttca 300

tcctcacaaa atctttcaaa ctcgcgagag gtgtactctc tgccgcgatc acttcttagt 360

acttttatcc gttttccact ttgattttca gcaagggcct tgaacttttn gaatactcca 420

aagactactg attttctttt agaaaatata cacatgtcat tctagagaag 470

<210> 4743
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4743

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agatgatggt actgcgggtg aaccaaaagc tgcagtttct tttggtgagg tagccatgga 120

agagcagagc gtttggaatg atttcgtaaa tctcagaaag ctattgggaa atgctggaga 180

aaacacgaat gccaagcaga tataaatttg aatgaagaat gtagaggggc gtgtgaagca 240

acggtcgaat ttgctttgta gtgaacgtgc tattaatgtt aagtgattcg tttgggcacg 300

ttcagattgc agtagctgct ataattcctc tagcagacaa atgcccagct tgcccctcag 360

tttttc 366

<210> 4744
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4744

ggtcatcaat gaagcccttg tgcactggtc cgaaacctcc ttcgccgaga aaattactcg 60

aagagaaact ctgcgtgatg atcttgagct ccgagagcga aaacacatgc aggttagacc 120

ccactagaga aacggagaga tcctccgaaa gcgttgagcc agggaaactc aagtccgtta 180

tagagaccct gttggaagaa gaaccaccct ttgtagccac cactttggtt ggcttcggag 240

aaggtgacac agactcaccc tcataacaac tagagaagct cgatcccatg tgaattatct 300

ttaatctatt aagtcctatg ctgcacaagt atctatgttt ctataggaag agagatatgt 360

tngatgaacg tttataagta gatgggaaat gattggagat gatgtggttg aagattttaa 420

aggggtagca tatatataaa atct 444

<210> 4745
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4745

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actatagcct catttatggc gctaaactgt tgggagtcgg aagccatctt ctcaattaaa 120

ttcctggctt caacaggggt catgtcttca agggctccac cactggcagc atctatcata 180

cttctctcca tgttactgag tccttgataa aaatattgga gaagaagctg ctcagaaatc 240

tggtggtgag ggcaactggc acatagttnt ttaaatctct cccagtattc atataggctc 300

tctccactga gttgcctgat gcctaaaata tccttttctaa tggtcgtggt cctggaagca 360

cggaaaaagt ttctaanaat actctct 387

<210> 4746
<211> 369
<212> DNA
<213> Glycine max

<400> 4746

taagctcctt caactgcaca aggctcttaa tatttgaaga gtatccttgt ggaaccttca 60

cccgacgaag acactgacaa aaacttatct tctcattctt ggacaaagta tggcaagctg 120

ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatcgt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcatctt gccttgaatg ttaaggagcg 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaagatc ataccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360

tctaacttt 369

<210> 4747
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4747

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tgtatgtata catgattttg atgatgccaa agaagaatct aacaaggctg cttcaaatga 120

taagcatttg cttcaagaat aattcaagat tgcttcaaca aacaaagccc ttgtttcaag 180

attcactaaa gaccaagcct tgccttaaaa caatgtgctt tcaagacatg caaggctctg 240

gtaatcgatt accaggaagt gtaatcgatt accagaagac agggttgaga aatagctgtt 300

gaaaaaggtt ttgaatttga attttcaaca tgtaatcgat taccatatgt ctgtaatcga 360

ttaccagcaa cgaaactttg gaaattcaaa ttcaaaagtc ataacccttc aaattataat 420

tgtgtaatcg attacacaaa cattgtaatc gatt 454

<210> 4748
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4748

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agtaattttt ctttaaactt actaatattt taaaaccatc agagtaaaca atgaaaatga 120

taaaacttgg ggcgaaacta tatatgaacg aatgtgaaat atgaacaaca tgtttcataa 180

agcaagttaa atattatcat gctaaaagtg gcgatgtctt gtcccaacta ataattaatt 240

ttctgaaatg ttttatttac tgtaactttt gtttcaattg gcatctttnt ttattttgag 300

agagaatatt tttaaaatag tagtgaataa aaaataagtg caaataaaga taaaaacaca 360

cacaattntg catacattat taattatnta atgttcaaat aattttcatg acacttgatg 420

gatgatacaa acatatacat acattgaaac aaaaacatg 459

<210> 4749
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4749

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agaatggtgc gcctataacc cacaggtccc aggatcgaaa cctggttctg ataaagagtg 120

gcttccgatc tatcacatat atatatattn tatgcgtaaa acatatatca ttacgcaatg 180

acatttgagt ataataaaaa atagttctgc agggcctaac atttcagtgc ttatattaat 240

ttagttacca tttaaatttt attattgagt caactttnta acgtatattc atattttctc 300

tttgttaatt ctaatttaat ttgtttaagt aaacatatct tttatggata ataatggctt 360

ccagtttctt agtgaaccac atctganaaa ttatactcga acaagaagat gtgtttcact 420

atgttcat 428

<210> 4750
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4750

catgcaagct tgttntcatt ntccttgtct acaaaggctt aaagatggtt tcattcattt 60

aaaggtaaca gtcttaagac ttgtgatgac gtggttgaaa aattcttgaa gaaatacttc 120

ccagagtcca agaatactaa aggaaaagct gccatctcat cctttcatca atttccagac 180

gagtccttga gtgaggcttt gaaaagattt catgggttac taagaaagac acctactcat 240

ggattttcag aaccaatcca actcaatatt ttcattgacg ggttaatgcc acaatcgagg 300

tagcttttag atgcttctgc aaggggaaaa ataaaattga agacccctaa agaagccatg 360

gaattaattg agaatatggc tgctagtgac catgcaatct tgcgtgatag agcacaca 418

<210> 4751
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4751

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tccatataaa tntcatattc tgtagttagt atataggctn tatttttga atttgttcgt 120

ttcattatgc agatggaatt tgtcatgtat atgttgacaa gtctgctaat attgatatgg 180

caaagcagat tgttagggat gcaaagaccg attatcctgc agcttgcaat gcgatggtaa 240

ttagcattta cacatccttt gcaatgcact aaataaaaca tgttaatctg tatcctcctc 300

tcctnnttgg gtttactgaa ttggtaggtg tgatgttatt ggaattatgg actatgctca 360

tcaaaatatn nttgtttggt attctaggan actcttctcg tcacaaggat ctgtcaataa 420

tggtggactc atga 434

<210> 4752
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4752

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gtggttgttc ttgactctgt catcttgaag gtgtacagtt agtgcttcaa gcatagccga 120

tntgcaaggg actttgtcat atacaatgac tccagtttca gccacattga ggctgttgtc 180

ttttctcttg caacttctct taaagcttta tctccaaggc ataaaatgat tgcacttctg 240

gatttagcaa tcatctctga tttctccttt gagcttagag aatcagacat cttttcttct 300

cctttaagag cttctgcaca gccatgttga atcaaaaatg ctncatcttg attctcataa 360

cccgagtcat tttccccttg aaactctcta tatc 394

<210> 4753
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4753

tganatngaa caacagaagc tctcgagata ttcaaatggt cataacttat cacatggaag 60

accgattcaa acgcataata tatcgggaag ctcgaaattg aacaacggaa gctctcgaga 120

aattcaaatt gtcataactt atcacacgga ggtccgattc tggcggatag tatatcgaga 180

agctcataat tgaacaacga aagctctcaa gaatttcaaa tcgtcataac ttttcaaacg 240

gaagtccgat tcaggtgcat aatatatcga gaagcttgaa tttgaacaac ggaagctctc 300

gagaaattca aatggtcata acttttcaca cggaagtccg attctggcgc ataatatatc 360

gagacgctcg aaattgaaca acagaagctc tcgagaaatt caaatggtca taacttttca 420

cacggaagtc cgattcaagc gcataatata tcgag 455

<210> 4754
<211> 158
<212> DNA
<213> Glycine max

<400> 4754

agcttctcga tacattatcc acctgaatca gacttccgtg tgataagtta tgaccattta 60

aatttcttaa gagcttccgt tgatcaattt cgagcgtctc ggtatactat gcgcccgaat 120

cggactttcg tgtgataagt tatgaccata tgaattct 158

<210> 4755
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4755

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atccactgaa aatgaaacca cacatgcaat ttatcatcga ctttttttat aaatgaatta 120

ttttcttaac atataacatg atccatacat ccttcattac aggccataca gaaaccttat 180

aattatcaaa ataaataaga agaaatacac ccaaaacact atgaccacaa taaattgcca 240

cgaagtacct ttttagagac attttcataa ctggccttgc ttatgagaga gagagccagt 300

atgaaaacat cggcaccacg ggaactcaaa ggtcttaat 339

<210> 4756
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4756

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catatttata agagaccaac caaacacaaa gcaaccacag cttaaaacac ccgtaacaaa 120

tcctagaaca tttgaatttg caaaggcggg ccatgaccac tttattctaa aacttcaaac 180

acaacacata cttattattt attgatacat gtattacagc tatctctgct tgaaggttat 240

gcatgttgat ctcacttgca gctgcatggg tcgcaagtgc agtttgatcc acagttgcag 300

ccaccgttct cagctgcaac acccatttca gcaccctcga attgggcctt caccggccca 360

acacccaaaa ctagagtctc aattgtgatc ttctcaacgt agtcaaaaga gtacttgttg 420

cacttgcata catgaaaaat aacatacat 449

<210> 4757
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4757

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taatatagtt agtagcatta aattgttaac tatntgtatt atttttgtca aaattattct 120

taaaattatc ggaactcata attnttctct tttcacttaa ttactttccc acctaattaa 180

ttaatgggtg ctagtcttcc tatctaatcc ttataagata ggtaatgcat ntatcttttt 240

agtatataac atttattgta aaataattat gggtatttgg gtcaaaaaat aattaataca 300

aaagataact tgagaagact cttataagaa gggaacaaat aaaattgaaa aaagattatt 360

atatctatgg atagagtgag tatgtccgag cactaagccc cttgtgaaac taatggcatg 420

c 421

<210> 4758
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4758

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gtgttggttn tggctgggaa ggctcaacaa gaggagattg nggatggagc taatttaact 120

atttcatttg ctggggagct cctgcagggt gccgaggaac ttatcangat gggtttgcat 180

ccgagcgaga tcatcagtgg atacactaaa gcaatcaaca aggttttttc agtttttgat 240

gaaagcctta gtgatctgtc tttaaatgtc atattgctgc tctctctccc tctaatttct 300

tgttttgttt cagactgttc aaatattgga tgaactagtt gaggatggtt ctgacaatat 360

ggatgttcgt gataaggaac aagttatttc aagaatgaaa gcagccgttg ccagcaagca 420

atctggtcaa gaagatatca tatgttcgct tgttgctgat gtgagtata 469

<210> 4759
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4759

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ataattataa attttcatac taatcttctt atatactatt tttgaaattt ccaagatatt 120

aaacatattc tttntttgtg tttatatttt caataaaata ttcgatcaga gaatttgtag 180

aagaatataa ttaagattac tcttaatcca ccttatatat gtgcgaattc atttggatca 240

ttaaaatatg ttacaacaaa aatgaaatat ttcaaggaaa tttatataaa attttgcaaa 300

gagttttatg anaatggtgc atataatttt ttctataaat atagatataa taaaccacag 360

ttctttttgt acataaaatt tgtgttgctt taatttcgtg tgtgtntgtg gtgtatatat 420

aatatcttga aatgtttcct taaaaaaata tcttgaaatg ttttt 465

<210> 4760
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4760

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tagtaatcac caaggctgtg atggcagtcg cctttactat ggtaaaaaaa tacttttctc 120

ttaatagaat gctattttgt acttttcaca tttgtcccat tgcatatcat caaaattagt 180

ataagggcat tntaatttcc gcttagcttg tttatatttc atttacataa gatttttcca 240

tatttctata attttatctt gcctttgcaa cagatggctg tgctagtgct gtggtaaatg 300

gagatagtgt cgctcagggt tcacaatttt tctttaaaag atgttgacgt tgtggttgct 360

caaataaatc tagacgtggt atgtattgca tggtattcca tatatcaat 409

<210> 4761
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4761

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aattgactaa aggaagttgt cgagaaattc aaatggtcac aacttttcac tcggatttcc 120

gattcaggcg cataatatat cgacacgctc gaaattgaac aacggaagct ctcaagaaat 180

ctaaatggtg ataacttttt actcggatgt ccaattccgg catataatat ttctagacgc 240

tcgaaattga ataactgaag ctctcgggaa attcaaatgg tcataacatt tccgacagat 300

gtctgattca ggcgcataat atatcgagac gctcgaaatn taacaacgga agctcacgag 360

aaattcaatg tgtcataact ttcacacgga tgt 393

<210> 4762
<211> 420
<212> DNA
<213> Glycine max

<400> 4762

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ttaaaacctt gcatctcgta tgaaatatgt tctctcttta ggtttgggtt aggtcagcgg 120

atttactccc aaggagcctt ctcaccatta gaagatcacc ttcttcatag ggtaaacctc 180

ttcaatatgc tcatcaccca tggcttcacc ttcatttcca cttgaggaag gagaagaagt 240

agcctcctct tggctactat agatgtcttg acccctcata atcatggttt tctttgtggg 300

ggtattgaga agcaatgtgg cctttcccaa tacatttaaa gcacttaatg ttactagttc 360

tatcttatga actagccttt ggagtgattt cctctatgca tttaccctta tcatcctttg 420

<210> 4763
<211> 276
<212> DNA
<213> Glycine max

<400> 4763

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ctatacgaga catctttcca aacaaagtca agttaaccat aactcgcctg tgctttctct 120

tccatgctat atgtagctaa gtcattgatc ctgtgaaggt tgatgagctg gaaaatgacg 180

ccgcaattat actgtgccag gtggagatgt attgttcccc tgctttctct gacatcatga 240

ttcacttgat tgtgcatcta gacagagaaa tcaaat 276

<210> 4764
<211> 307
<212> DNA
<213> Glycine max

<400> 4764

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cccgatgaag acactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120

ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatctt atacccatat 180

caactagatc ttgacgggta ttcaagccat gcttcgtctt gccttgaatg ttaaggagcg 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaag 307

<210> 4765
<211> 306
<212> DNA
<213> Glycine max

<400> 4765

taataaatct atatatggtt taaaacaagc ttcccgtcag tggttctctt atttttcatg 60

ggataatttc ttcatttggt tttgaggaaa accccatgga tcaatgcata taccacaagg 120

tcagtgggag taaaatatat ttccttgttt tatatgtaga tgatatttta cttgcagcca 180

atgatcgggg tttgctacat gaggtgaaac aatttctctc taacaatttt gacatgaagg 240

atataggtga tgcatcttat gtcatcgaca ttaagattca tagagataga tcttgaagta 300

ttttgg 306

<210> 4766
<211> 318
<212> DNA
<213> Glycine max

<400> 4766

ttgagaaaat tcaaacgaca ataacttttt actcggatgt ctgattgagt ttcctaaata 60

tatcgagacg ctcgaaattg aataccgaag cgctaagcaa attcaaacga caaaaacttt 120

ttactcggat gtctgattga gtcccgtaat atatcgaaaa gctcgaatgt gaatgtagaa 180

gctctgagca aattcaaaca acaataactt tttactcgga tgtctgattg agtcccgtaa 240

tatatcgaga tgctcgaaat ggaataccga agctcggagc aaattcaaac aataataact 300

ttttactcgg atgtccga 318

<210> 4767
<211> 357
<212> DNA
<213> Glycine max

<400> 4767

agcttgtctt ttctcttcag tttcaaaaat catatttacg agaattatga atttgaattc 60

tgcgaaggac atttgggact acctcaaatt agagtatcaa ggtagtgatc gaaccaaagg 120

tatgaaggta cttaacttgg ctagagaatt tgagatgcag agcatgaagg agacagaaac 180

tatcaaaagt tatgctgaca aactgttgag tattgcaaac aaggtacgtc tccttggtaa 240

ggattttcct gacgaaagga tagtgcaaaa aatacttgtt attgtacctg aaaaatatga 300

atctaaaata ttagcattag aggagtcaaa agacttgtca aatatcaccc ttggaga 357

<210> 4768
<211> 356
<212> DNA
<213> Glycine max

<400> 4768

agctttagat ttctacttta ttattaatac tcatgtcatc cttgagtaat cattgatgat 60

ggagaggaag taactttccc ctcctagtaa tggaactctt gaaggcccct agtagtcaga 120

atggacgtag tcctatatgg cctttgtagt gtgcatgaac ttttggaatt ttgttcgatg 180

ctacttccca tagacacagt gctcacaaaa ttaaagaggt tccaccttat gatttctagg 240

taagcctggc ttgctaagtg tacttagcaa aatctagagt tgactaacgc cagggtggat 300

gtagcttgga agggctccat gatttcacac gtcggactag aggtgccctc ttttaa 356

<210> 4769
<211> 350
<212> DNA
<213> Glycine max

<400> 4769

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aaattcgaat ggtcatgact tttcacacga atgttcaatt cggggacata actcatgtag 120

acgctccaaa ttgaacagcg gaagcattcg agaaatttga atggtcataa cttttcacac 180

gaaagtccga ttgggggaca taactcatgt agacgctcga aattgaaaaa cgtaagctct 240

cgaaaaattc gaatggtcat aacttttcac tcggatgtcc gattcgtgga cataactcat 300

ctagacgctt gaaattgaac aatagaagct ctcgagaaat tcgaatgctc 350

<210> 4770
<211> 357
<212> DNA
<213> Glycine max

<400> 4770

agcttagtcc ataaggtttt ccatatgtgg ctaaggaact tagcatctct atctaacaca 60

atggtcctag gcaaaccatg cggtctcaca acttccctga aaaagagttt tgagatgtgg 120

gaagcatcat ccaccttgtg gcatggtcta aagtgtgcca tcttgataaa cctatccacc 180

accacaaaga tagagtctac acctctttgg gatctaggaa gcccaaggac aaagtccata 240

ctaatgtcta cccaaggtgc agaagggatg ggtaagggtg tgtatagccc atgaggcatc 300

accctagact tggcttgtaa acaagccaca cacctagtgc aatgcttatg gacatct 357

<210> 4771
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4771

ttaagcaaat tcaaatgaca ataacttttg actcggatgt ccgatttagt tattttataa 60

tttgagacgc tcaaaattga atgcaggagc tcttaccaaa ttcaaatgcc aataactttt 120

tactcggatg tccgattgag tcccgtaata tatctagatg ctcaaaattg aaaacagtaa 180

ctctaagcaa attcaaacga caataacttc taactcggat gttcgattga gtcatttaat 240

aattcttgac gctagaaatt gaatacagaa gctctcacca nnattaaatg acaataactc 300

tttactcaga agtctga 317

<210> 4772
<211> 358
<212> DNA
<213> Glycine max

<400> 4772

agcttgtagg ccttggatct tctttatcaa tggagtcctt tgcttcttga agatgaatgg 60

cagtggaatg gagatggaag aaagatgatt ggagacgaca cttcaaggag aagatgagtc 120

aagaagaagc tcaccatcat aggaagccat ggataagagc ctgaaggcag gagaagatga 180

gtggacagag agggagagaa ggagcacgaa attttatgcc tcaaatgagg tataaacttt 240

gaagtgtaat tcttaaatga tcaaagttga aaaaatgcac acacatggcc tctatttata 300

gcctaagtgt cacacaaaat tggagggaaa tttgaatttc tattcaaatt tcacttga 358

<210> 4773
<211> 347
<212> DNA
<213> Glycine max

<400> 4773

agctcgtaag gcttttgtct ctctattgtc acatgctcat gcaacaatta ttagccgtgg 60

ctataccaga catcttgcca aacaaagtca ggttagccat aactcgcctg tgctttttct 120

tccatgctat atgtagcaaa gtcattgatt ctgtcaagtt tgatgagcta gaaaatgagg 180

ccgcaattat actgtgccag ttggagatgt attttcccct tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatgtta tggtcctgtt tatctacggt 300

ggatgtaccc agttgagcga tacatgaaga tcttaaaagg gtataca 347

<210> 4774
<211> 248
<212> DNA
<213> Glycine max

<400> 4774

gaatggcaaa ccaatggaga tggaagaaag acgatcgcag accacacttc aaggaaaaca 60

cgacccaaga agaaccccac catcatagga agccacggat aagagcctga aggcaggaga 120

agaagagtgg acagagaggg agagaaggac cacgaaatca tacgcctcaa atgaggcata 180

aactccgaag cgcaatcctc aaatgaccaa agtcgaaaaa acgcccacac atggcctcca 240

tccatagc 248

<210> 4775
<211> 324

<212> DNA
<213> Glycine max

<400> 4775

tgcttaagat tgtatattga tttctttaat ttgcacacca tgtgtttctg tccttttact 60

gagaacccca ttgactaatc catataaaca ttctcatcta aatatccatt aagaaagaga 120

gttttcacat ccatctgatg tagctccaag tcataatagg ctactaatgt catgataatc 180

ctgaaagaat cctttcgtga aaccagggaa aatgtctctt tataatcaat gttatctttc 240

taagtaaacc tcttaacaac aagtctagcc ttgtaacgtt cgaagttggc atgagagtca 300

catttagtct tgaagaccca ctta 324

<210> 4776
<211> 320
<212> DNA
<213> Glycine max

<400> 4776

tgtcactcca cccatatctg gccttcacat taaccacact taacactctt ttttttcaat 60

gttagtgttt agctctactg agctttaaaa gattggctaa gattttgtta aaacataagc 120

acttagacaa tgaaggaaag ctggagttgc tgcacatgat gtccaacgtt atgtcaagga 180

ataagatcgg gctgcacaat gtacaaggca agataaaatg gcaaatgaag aattgaagtt 240

gcaggatcca cgatgtcgga tacaatgtcc tgacatcctg cccgagaata ctggagttgc 300

tgtacaatgc aagataaaag 320

<210> 4777
<211> 355
<212> DNA
<213> Glycine max

<400> 4777

agcttgtagt tgctggaaat ccttctggat tattagtgga cagcactgat gggtggaaca 60

cagcttctgt tgtgggaaca ttctcagggc ctaagcatcg cttggccaca gcagcaactg 120

tgaaggacgg gaaggtgtat ctgaaccata tggttggaat tggataccca aaaaagaagc 180

atgcaattgt tgaggcagtt ttttaacgca tactttctag aaatctaaac attggggaac 240

tgggaatgtg gggatcatac atttacagga cgtttagttg aaatttggtg taccttgct 300

tatttatgtt tggttttgtt gcattacttg gcctcagacc tcaatgcttt tccct 355

<210> 4778
<211> 348
<212> DNA
<213> Glycine max

<400> 4778

agctttccct ctttgaacaa atactcctca gccaaataga atccatcttg ggccttttc 60

ccacaactct cataaatggg agagagaaat gttcatctaa agcatacaag tccctaatat 120

tatcaaatcc taaaatttga gctcctaggg agaaaaacaa tgtgtgtctc ctagagaggg 180

catcagctac cacatttgtt tttccctttt tgtatttgat aacatatgga aattgctcta 240

ggtactctac ccattttgca tgcctcttgt ttaacttgct ttgccctcta atgtacttaa 300

gtgattgatg atcactatga atgacaaatt ccttggaaac aaggtaat 348

<210> 4779
<211> 315
<212> DNA
<213> Glycine max

<400> 4779

tgggtacact aggcacacac accctatcct gaaacctcaa tactccattt tttcccaatc 60

taaaactact ctttctccct gcgactatgg actctaactg agctgacaag aatgggtcag 120

acttctgacc ctcacggatc tcgcttaaga gttcgctggt gactctcaac atacccaact 180

taatgctact agaggtgatc tcacatgcca aactcatgtc tctaaactgc tctaagagat 240

ccaactctct aaccatcaaa gcagacattt gaagggactt tctacttaag gcatcagcta 300

ctacattggc tttac 315

<210> 4780
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4780

agcttanggg acgttttgat tattcttata tngcagaaaa agactatgaa acttttgcac 60

acaaatggtt cgaaaaaaga cattcctggt tgcttgaaat gtaataacgg tgttgcatac 120

gccgaaaggc attacctaat acttataatg accatcatga atgtgaaaac tcatctttgt 180

aatgtcatgg gtcagattcg atattgatgg aagctcacgg ttagatcaag cttgtaaaaa 240

atggtggcca ctcccacaat aagcaaagga atcttgtcct taactgtgag tgcattaatc 300

acttgatagt ccaagcacaa gcactataaa ctgtgcttat 340

<210> 4781
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4781

gctttgcatc agctctgata aatctgccat atactcatcc gatattaggc ctcatgagct 60

ttctcatatt tagcagctta ttggaattag cttgagtggc ttccctttta gatacttggg 120

tgttcccctt ttatcatcta gattaaatgt atgccattat actcccttgc tttccaagat 180

tactggcctg attcagtgat ggagcangaa gtctttatct tatgcaggta agctagagtt 240

gatcagagta gttattcaag ggaatgtgaa tttctggatg gggattattc ctttgcctca 300

atctgttctg gatcggatca acacttcatg tcgtaat 337

<210> 4782
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4782

agcttgcctt ttgcaattcc aagacactag tgagcttcca agtatatgac atgtaccact 60

tgtaattntc ctatctaatt tgcatcttcc agaatcagag tctgaaaaac cttttaagtt 120

tagggaactt cttttgaata ccacanacct acattggttg tgcccttaag atacttaatg 180

atcctcttaa cagtagttaa gtgagattcc tttggattgg actgatatat ngcacataat 240

caaacactta gcatgatatc cggtctactt gcagttaggt agagaagtga tccaatcata 300

cctatgtatc ttgattcatc cactgattta cctttctcat ctaagtaagg gagggtaatg 360

ttgtaacgcc tttaaatttc aataactgaa aatagatgtt tgatgtattt c 411

<210> 4783
<211> 345
<212> DNA
<213> Glycine max

<400> 4783

aatatgtatg tatgtaaata tgttgaataa aatgccttgc aaaatgttga ataaaatgcc 60

ttgcaaaata tgaatatata tagcaggaaa atgcctggca taatatgatt atatatagca 120

tgaagtgcct tacaaaatgc ttagatgggt agcgtaaaag tgtttttcaa aatatgtgta 180

tttgtgaata ggtagcataa gaagccttcc aaaaaatgtg tatatatata ggatgtagca 240

tgaaaaggtt gtcacacaat atgtcatgga tatgtgtcga aatgcttctc acaaatttta 300

tgtgtgatat gcgttgtgtc ataaatacat ggcccatatg atatt 345

<210> 4784
<211> 452
<212> DNA
<213> Glycine max

<400> 4784

acttcgatgg tgtgtttgct aaattgcaat ctttcatctg aaacctatcc aagaattctc 60

cctcatattt cttttgacaa ataaagattc cattagttgg ttgattcact tctttatctc 120

cacttttaac atagagtgtg tgctcataat gacattttgt gaacatagct taagaaaaat 180

atgcttcaat gcgactatac catgctcgtg gggctttgtt caacccgtac aagaaccttt 240

ttaatcttgt aactttatgc tcacttccaa tcttgacata acccggtggt tgttcaataa 300

atacttgctc cttcaagtat ccatgtaaga atgttgattt aacatctagt tggcaaatgg 360

gccatgatat ttatgccact aaagcaatca tcaatctgat cgtgtcatgt cttgcaactt 420

gagaaaaact tctgtatagt caatcccata tt 452

<210> 4785
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4785

actctcnctt gtagttgtct acctcaacct caatttcata tattggctag cctagtatag 60

ttgctactgt taataataac tcttgtgtgg tttccaattc tgttgtttct tcttctagta 120

ctcctagcct ttggcattct agattaggtc accctaatgg tcatgtaatg aaactagtct 180

tcaatcattg taacatttct ccatcaaata aaaatttctc aggtttttgt tcttctagtt 240

gtatgggaaa gtctcataga ttaccatctc acactcttgt ttttgtttac ttctccttgg 300

agcttatttt cacatatttg tggggacctt ctcatntgac ttcatatgct ggttataaat 360

attatgtatc ctntattgat gtnttttttcc aagtacacct ggatatttct tatcaagtct 420

aaagttgaaa ctctntgttt tcaagcttta aatctatggt gaactgcaac ta 472

<210> 4786
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4786

cttcctcact agcaattgct agtactatca tctcagattc catagtggac taagctaaga 60

tagtctgttt cttcgacttc caagaaacag ccccaccagc tatgctaaat atatagccac 120

tggttgcttt ggaatcatct gaaagagtgt tccaatctgc atcactgtat ccttcaagta 180

cagcgggaaa ccttttataa tgtaatccaa ggtttatgat tcttttaagg tacctcatta 240

ccatttcaat agcgtgtcag tgctccatac taggtctgct ggtaaaccta cataataatc 300

ctacaacata ggctatgtcg ggtctagtac aatcagtggc atacctaagg gtgccaatga 360

tactngcgta ctcagttggt tgtatacctt caccagtgtt cttaaacaag tttacacttg 420

gattatatgg tgtactagca ggtntacagt caaagtagtc atat 464

<210> 4787
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4787

agctctccaa aaattcaaat ggtcataact tttcacacgg aggtccgatt caggcacatg 60

atatatcgag acgttcgtaa tngaacaatg gaagccctcg agaaattcaa atggtcataa 120

ctttttactc ggatgtccga ttcaggcaca tcacatatcg agacgctcgg aattgaacaa 180

cggaagctat gaagaaatca aatggtcata aactttactc gaatgtctga ttcacgtgca 240

tcacatatcg cgacgctcga aattgaacaa cggaagcaat tgataaattc acatggtcat 300

actttttgt c 311

<210> 4788
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4788

tatctacccc atntctgaca gtgctngngt aagcccagtc caggtggtac caaagaaagg 60

gggcatgaca gtcattcgga ataaaaagaa tgacctaatt ccaacaagga ttgtcactgg 120

ttggagaata tgcatcgact accacaagct caacgaagcc acaaggaaag accattttcc 180

tttgccattc atggaccana tgttggagag gcttgcggga caagcttatt actgcttctt 240

ggatggatac tctagataca atcaaattgc gataaacccc aaggatcagg agaagacggc 300

cttcacatgc ccttttggcg tctntgctta cagacgaatg tcanttgggt tatgtaat 358

<210> 4789
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4789

gcttgagatc ctgacaggat ccanacacaa acaaacatat ggagtgagtt atcatattcg 60

taaacaggta gagataaatg aagacacata tataatataa gtataacaag ctcaacttag 120

cacaattcac atcattttac cactcatgta acatcacttg tcccaagaat ctaataaaaa 180

aatcacattt cacactttca cataatcacg tgttcagaac aacacattca agtacaatac 240

aacatctcat gctcacacaa ttcattactc accatcacgt aacaaatcac aatgatcatt 300

acatagacat tatgcaacaa atacactaag actcaattnt atatgcaatg tggtattagg 360

tgagtgaaaa atctcatcag gcgcctagga atacatgaca agacaagtca tacatcggta 420

agtcaagtca ctctcactag gtaaaatcat agagagagca atca 464

<210> 4790
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4790

cctcatgaat cttgaagtgt tcttcatctn ttcttcttga gtcttgaatt gttcttgatt 60

ccatcttgaa cattatgaac tcattctttc attgaccttt gtgccttttg tcattacctt 120

tgtcatcatc ttttgttata atcattgtta tcatcaaaac atctttgaat cattcttgat 180

tcaccatgaa gctttgcttc tacacgttag tccctcaagt catagaaata agataacata 240

caaatgctaa atgatgaaac atgaaaagaa tacgaatctg gggatcccac ggtcatgtgg 300

ctccgcatgc caccggactc ttgggtcacg gtaacaaaaa gtgaggtggt cgacaaaagc 360

atggctnttg ctcctacgta tcctcaatnt gtgatgagga actcagacct acgtagttct 420

tgataactgt gagaactaaa atagtctcgg tgttttcttc actaaaat 468

<210> 4791
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4791

cacttccagn gccctacatt acgagtatat gtgtctaggg taatcatgct tcatatngaa 60

tttttgatta cagcttcctc ttttctaatg gtcaatatca tgggtaagtt ggctattgta 120

tccacttaga agttattatt ttgaaaaaaa aaaaaaagct atttgctgtt ttaagcataa 180

taattctggc aaaaaaatgg aaaaactaag gccagaatta gacattacag atggtatggg 240

gaagtatgag ttcaagttcc tatattgctt caagaagcta gttattacaa tcaatggcan 300

aactctagga cccagcatcc agccatagga aggtgatacc attattgttc aagttaataa 360

tagtttactc acagaanacc ttttgatcca ttagcactgg atcagacaag 410

<210> 4792
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4792

gtgctcacct ttagtagagg agaattcttc aagttgtttc atgtaaacct ctttctctag 60

atgaccatta aggaatgtcg ttttcacatc catttgatgt aactcanagt caaaatgagc 120

tactaatgcc ataattactc aaaaggaatc tttcttagat acaggagaaa aaatctttgt 180

gtaatcgatt ccttctcttt gagtgaaccc tttggcaaca agtcttgcct aatgtctctc 240

aatgtttcct tgtgagtctt tattggtttt aaaaacccat ctacatccga tggctnttac 300

accactaggc aactgtataa gatcccagac ttggttaaat gtcatagaat ccatctcatc 360

tttcatggca ttgtaccaca agtttgattc tttagaactc atggcttctg aaaacatttc 420

aggatcattt gcagctccaa tgttgtagtc cgattcttgc agatacacta cataatca 478

<210> 4793
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4793

agcttctata catcattctt ctaaataggt ctagcttttt ntgcatttct ttggcccagt 60

attcattaga tatagcgtca tccatgtgct ctggctcgat cttggaaagt agtgttgtgt 120

gcttgagaga attccttgtc tggactntgc ccttaggatc accaatgatc taggactctn 180

gatgatattt tctcagcaag tgtctagttg gttctctaac ttctttaggt tgatcatcca 240

ttggtgagtt ggacacaagt tggttctgac tggatgcaac aatagacttg acgatatctt 300

caattttcat ctctgcaaag gactcatcca gttttgacat ggtagtgtta ggctcgttgt 360

cattaaacct cacatgaatg gcttcttcca nagtcaaggc tctggagttg tacactctat 420

atgcctacac tattatcant aaatttttat tccct 455

<210> 4794
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4794

tatgatcatg gatctatcaa tntaagttaa aggagtaaat cacttctagg aatgatntaa 60

taaaagataa ctaatctatt agagattacc caaatagttt gatcatgcaa ttcagtgcaa 120

aaaattctct acctagatct accaattaca tgcaggtgat aactattatg caatcgattg 180

agtattagaa tgacctatgc caaataaaca ttaaaataag gaagaaaatt aattaacata 240

aaacaatgag aaattccatt aagaacaagg aaaggagtac atttggacaa ttacatcata 300

accctcgaac taaggggact atctactcaa aatcaaagca naattagcaa ttctataaaa 360

taaaataaaa agtaaagata ga 382

<210> 4795
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4795

tgatagtgag actcaacttg gatactcttc ttgtgcttta tcaattgcaa caagacccac 60

tatccataat gagagaacaa ttnttttta aaaccttgca tctcgtatga aatatgttct 120

ctctttaggt ttgggttagg tcagcggatt tactcccaag gagccttctc accattagaa 180

gatcaccttc ttcatagggt aaacctcttc aatatgctca tcacccatgg cttcaccttc 240

atttccactt gaggaaggag aagaagtagc ctcctcttgg ctactataga tgtcttgacc 300

cctcataatc atggttttct ttgtgggggt attgagaagc aatgtggcct ttcccaatac 360

atttaaagca cttaatgtta ctagttctat cttatngaac tagccttgga gtgatttcct 420

ctatgcatnt acccttatca tccttnggct tagaaggtgg tactccttgt ctcttacttc 480

catanttaaa ctactt 496

<210> 4796
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4796

agaagaagaa gaaattcana gagattcatg gcttgtaaaa gattgattga atgaattgga 60

aatgtatatt gaaaagcana tcanagcctt gcttttatag actcttcatg tctggtcaag 120

aaaaccattt agaagagtta caacttttag aanaacttan aaccaatttg aaaaagtcaa 180

aaaacctttt gaagagttac atcttttgat ttattcagaa acagtcactg gtaatcgatt 240

accaaatcag tgtaatcgat tacacaaggc ttttaagtga aaggatgtga ctcttcacan 300

tttgaattga atttcaacgt tcaaaggcac tggtaatcga ttaccaaaac attgtaatcg 360

attacagctt tttgaaaata atttgaaacg tttaaattca attttgaaaa ctttnntcaa 420

aacaattttc tactggtaat cgattacagc aatctggtaa tcgatta 467

<210> 4797
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4797

atgtatatct atattccctt attttacttt atttcggagn aaaatatcaa gttttatata 60

cttgacataa catattgccc gaattctatt caattatcaa tgatccatta tattaatgaa 120

agtcaaaata gattcctttg gttctttaat aaaagccata tattctaagg cagatagttc 180

cgttatttag gtcttggctc agtcagtggt ctgggatgcc atggtgcctt caaaaaagag 240

gacacatgta ggtcgtccaa agcctttgta tgttgagaag ctcatgagag acctatgcac 300

tattcttcac gaacaacagt cttatttttc tgcatcttct gaagaggatc ttctttt 357

<210> 4798
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4798

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atcccncggt gctcatgcca cctgtaacag gaagacctct tttcctgtac atgaccgtgt 120

tggacgagtc tatggagtgc gtgttgggtc agcatgatga ttctgggaaa aaggagcaag 180

ccatctacta tctgagcaag aagtttaccg catgtgagat gaattactca atgctggaaa 240

ggacgtgtta tgctctggta tgggcatcac atcggcttag gcagtacatg ctcagccaca 300

ccacatggct tatttcaaaa tggatcccgt gaaatacatc tttgaaaaac cggccctcac 360

gggacgaatc gctatgtggc aggtactatt atctgaattc gatatcgttt acgtca 416

<210> 4799
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4799

gcttaacact ttgttgatgg gtgcaccatn tattatgctg ggtgcgtgta acaaagcccc 60

attatggaat ggacatccat caactaccat agaatggact taacttagtt tattgggacc 120

gataataata gtcgtttaca acacttgtca taaacttgta aaaacaaatg taataaattt 180

tgtagggaga taattacatt attttaaaaa ttaatatata agtatatttt ccttcaatta 240

tacattgtcg tatatgataa aattgttgat tntaataata attattttaa aatcatattg 300

atgatatctt ttattaatca ataatgttaa taaaaatata tatttactta acttacattt 360

aaaagatttt ttaaatgacc tatagttnta ccttttaacc aaataacgtt ttctttataa 420

aattctatgc ataaggttaa ctctttttat ataaaaa 457

<210> 4800
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4800

agcttcacaa ttatatnnta tctttgtcaa gtaagtgaca gcttgatatt gatttttag 60

gccacattgg tgcaagttgc tgctacagta cctcttaact gttcaagtca acaagatggc 120

ttaagggtgt ggttggataa acaatttaat taattgctta ttggataaat acttatcatg 180

caagcgctta tgtataagct atttctgtaa tctaagagga ataggatta aactctttta 240

atacaagttg taagttattt tcacaagtta tcatggagat tggagagctt attgaaataa 300

gctgaaaaca aattatggag agatcataag ctatgtccat atngctctcc aaacacttat 360

acaagttctt atgtcataag ataagaccaa acaaactgta aataagttgt tc 412

<210> 4801
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4801

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ctatttattt atttttttnta aaaaatagta acaacaatgt ttttaacatt gagtggtcca 120

acattcatag ttnttttcct ccaatgttca ttttaatttt ttatttttta atttttctct 180

cctgggctat tccactttcc ctctaccttt cctctatgtc tcttcttttt tccatctctc 240

tccccgaccg ttccacttac ccttcctctt tatttctctt cctctatcgc tgacccttтc 300

acttcccttc ttctcttcct ctctttttat tcttactctc ccacataccc tcttcctatc 360

tccctttтct ctttttcctc tcccaccaca cgactattcc tctccctttc ctctttttct 420

c 421

<210> 4802
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4802

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gcttaaggta aaaaaaaatc atttttcana atttaaacaa aatttgtccc agaatgcacc 120

actggaacaa tgaataagaa catgatatga ttgaaaaana aaagcttctg attctggcaa 180

cttacagttg ctaatccaac tgagaggtca gcaatgaagg tatcctcagt ttcaccacta 240

caataaacaa gatgaaacac attagtgtgc acaaagaata atacaatgtc acaaaacaga 300

acaaatacct cctgtggcta gccatgacac cccaaccagc ttgtttagac attctcacag 360

cttcaatact ttcagttaca ctaccaattt gattcaccta acaatgatga aataataata 420

a 421

<210> 4803
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4803

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catctatttt acttacgaaa caactcagct catgaaatga tgcatgttca acatttagca 180

tatagatatt acctattccc ttactaatgc ggacaacttt accgaatatg gtttcactta 240

taagacaaca atttctgttg aactctatnt tgaagccttt atcacaaagt tgactaacac 300

attctntatc agagttttct attgagtccc tatatttcct tctcccatta ttgttccttt 360

gttattgtct ccaaatgtga catatcctgc attnnttgac acaaaatcaa atagtttgga 420

c 421

<210> 4804
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4804

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aacaataaaa acaaaaacca caaaactgca tgacgcataa aataggattg tttattgaca 180

cattaaaata actaacatta atttgtattt taattctctt ttaatcacta tagtttgaaa 240

ttgatctttn tagttcctat aatttgtatt ttaattacct tttagtcctt actgcaataa 300

atatataaaa taattagcta caaattagtt ataaattatc aactattttt ttattacaaa 360

ttatcttgtg ataaattagt tatgaattac ttgctaatat tgttgtagct aattataatt 420

gataatatta actcatattt gatggtaaga actaaaatga aatcaaaata taaagtatat 480

ggact 485

<210> 4805
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4805

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tatggcatca tttctggcac taaactgctg atagttggaa gccatcttct caattaaatt 120

tctggcttca gcaggagtca tgtctccaag ggctccacca ctggcagcat ctatcatact 180

tctctccata ttactgagtc cttcataaaa atattggaga agctgctccg aaatctgatg 240

gtgagggcaa ctggcacata gttttttaaa tcgctcccag tactcataca gactctctcc 300

acntgagttt ctaatacttg agataccttt cctgatggct gtggtcctgg aagcagggaa 360

naaattntct aagaatactc tcttaaggtc atcccagctc gtgatggacc ttggagcaag 420

gtaatacagc cagtcctttg ccactccctc cagagaatga agaaaagcct tcagaaatat 480

gtgat 485

<210> 4806
<211> 382
<212> DNA
<213> Glycine max

<400> 4806

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gatccggcgc gggttcttct cgtcgagggt gaggaggttc cgcgcgttgt tgcggatgcg 120

gctgagcgcg tactgcaccc tccacagctc tctcttgcac cgaagcccgt actcaccaac 180

cagcttcaac tccgcgtcga gacgctcctt ctcgtacgga cgacgcggct tcttgaatgt 240

cttcccatct gacaaacaga acaaaatata acagatcaat ggcgttgcta gggttacggt 300

tttcaaaacg gcgtcgtgag aaactagaac gtggatcggt tcgtggactt acagttcctg 360

tagaaggaga cgtgcaccat gg 382

<210> 4807
<211> 347
<212> DNA
<213> Glycine max

<400> 4807

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tccttcacaa tagcagtaac aacaacaaca acaacagcag caacatctac agccccagat 120

acagcaaaca gttgaggctc cttcgcaacc ttcccttgaa gaacttgtga ggcatatgac 180

tatgcaaaac atgtattttc agcatgagac cagagccttc attcagagct caactaatca 240

gatgggacaa ttgtctacac agttaaatca acaacagtcc cagaattctg acagattaca 300

ttctctatct gtccagaatc ccaaaaatgt gagttccatt acattga 347

<210> 4808
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4808

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ggcgacatac ttgggcgacg ccctcatctg atatatcacc tcaatcggca atgtctccaa 120

aaccctatac agaaccccct ccacaccttc cactctgtcc atgacgatct tcaacctatt 180

caccatcccc ccatgccgac tgagagagac gaccactacg acgacgctgc tntacgtgct 240

ggcactggcg tgt 253

<210> 4809
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4809

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agacttgtca aattcagtag caagttcttc aacaaggctt cttccaacat gaaatgatct 120

atgtgcctct gagaactctt tggatgtgac aaatctataa ggctgatctt tgtctgccca 180

gtactgctcc tgatccttcc ttgatgttac ctataacata ataattaatg gtcaaaatta 240

aatgtatata acattctttt accagtgcag acagattaaa ttattgggac agaacacaag 300

accacttact tcttgcaaaa agtctgccac acctttcctc tcangacatt taaaacccat 360

tgattnaaaa attccacaca tgtcgcgggg accct 395

<210> 4810
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4810

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ggtctttcga gcctgagcca tgacgaagaa aagaagaagg gttttggtaa ctgatcgcgt 120

gggggaaaaa tggatnttgg gggtttaagt tatgaataaa acaacatcgg tttcttaaaa 180

aaaatcgatg ttaagatatt aatgttaaca tcacgttttg gaaaaaccaa tgttaacatc 240

aacttgttaa catcggtttt tttaanatcg atgttaatta agtcaactta tttaccaaaa 300

tgtcaccgcg cttttattta catcgatttt tgcgaaaact aatgctaagc ttacgaggtt 360

aaatcaataa attgtagtag tgaccttctc tcactcacgc caatatatgc aatctccccc 420

ttctacanat catgacaact nnntgtgtca tccttttata agtcttta 468

<210> 4811
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4811

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tcatgcttgc ccaaatgatt gcatactgta ccaacatgaa ttcaagaaat ggccatattc 120

ccaaggtgtg nggtatcaca gtacaaagtg aacgatgatg acgactgtag tagtgacgaa 180

aactcanaga aaggcccccc agcgaaggtg atatggtatc ttcccgtcat tccaaggtta 240

agcgtctggt tgctaatgga gacgacgcaa aagaccttaa tccggctgat tcctcacaat 300

ggaagaacat tgatcgttng tatctggatt tcaacaaaga ggcaagaaat ct 352

<210> 4812
<211> 372
<212> DNA
<213> Glycine max

<400> 4812

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caactggggc ctctcctcca ccttccttag aagagttagt gaggcaaatg accatccaca 120

atatgcaatt tcagcaagag ataagagcct ccattcaaag tctaacaaat cagatggggc 180

agatggctac tcagttgaac caagctcagt cccaaaattt tgacaaattg ccttcacaaa 240

ctgtgcagaa tccgaaaaat gtgagtgcca tcaccttgag gtctggcaag caagttgaag 300

tgcctccacc agtagcaaca cctgcacctg aacctgtcaa gcttcattct gcacttgaaa 360

aagaggatga ga 372

<210> 4813
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4813

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aattntctta gagcttccgt tttaattacg agcggctcga tatattacgg gactgaatca 120

gacatccgag ggaaaacgtt ttgtcattag aatttgctca gaagctttgt tttcaatatc 180

aagcgtctcg ttatattacg ggacttaatt gtacatctga gttaaaattt aatggggttt 240

gaatttgcta cgaccttctc tttccaatta cgagcgcctc gatatactac gggacacaat 300

cggacatccg agatataagt tatttttttt tgcatttgct cagagactta tgtttcaatt 360

tcgagcatct cgatatatta cgggactcaa tcagacatcc gagatataag ttattggcct 420

ttgaatttgc tttcgagcgt ctcgatata 449

<210> 4814
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4814

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atgaggctta tgatgggcaa aaattacttc aacattctaa gattatatgg cttgngctta 120

tgatggatgg cctgtgcagg aaccatatgt tgtcggatgc aagaggattg atggatctga 180

tgatgaggaa tggggtttac ccagatacaa ttgcttatag tactctcttg catggatact 240

gcagcagagg gaaggttttt gaagctaaaa gtgttcttca tgaaatgata aggaatggtt 300

gtcaacctaa tacttacacc tgcaacacat tgctccagga aatggttgta gtaagagtct 360

tcanacttat aatgcattga tccagatatt tgcagttata acaatattat cac 413

<210> 4815
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4815

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gtgaagaaga atgtggcatc tacctgnggt gaaaaacaag agcaagcctt tgctttgctc 120

anagaaaagc ttactaaggc acctgttcta gctcttcttg actnttctaa aacttttgag 180

ctagaatgtg antgccttgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240

attgcttatt ntagtgaana acttcatagt gccaccctca actaccccac ctatgataaa 300

gagctntatg ccttaataag agcccctccaa acttaggaac attaccttgt ttccaaggaa 360

tttgtcattc atagtgatca tcaatcactt aagtaca 397

<210> 4816
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4816

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ccctttttgg ctntgatgat gccaaacttg aatntccatt tgagtgcatn tggagagtct 120

tgagagtaga gacttttctt gggaaaacct aaagtttctt aacactaaga gaaatgtgtc 180

aattcatatc atcatcatca tcatcattag ttggagttat atatgaatgt atgtatgcag 240

tgcactaatc atatgcatct canatccatg tttcatctgc ttgacttgaa gtccaaggaa 300

gaagttcaac tctcccatca tagacatctc anattctttc tgcatagaac tgganaattc 360

cttacacana gtttcattag tagcaccaaa aattatatca tcaacataga 410

<210> 4817
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4817

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agttntgatg tttggtgcag ttcctgctgc actcacctac tactggcgca tgaagatgcc 120

agagacagca cgttacactg cccttgtggc caagaatgcg aaacaagctg ctgcagacat 180

gtctaacgtg ttgcaagtgg aacttgaagc tgaagaggag aatgtgacaa aattgacaga 240

gaatgagagc cacaagtatg cgttggtcac caacgaatta gtgaaacgcc atggnctgca 300

tattgtggga accaccacca cgtgcgtctt ggtggacata gcattctac 349

<210> 4818
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4818

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ctatcgtcca attgtaaatc tgcaaaagac tcatctagct ctaataattc tttatcaggc 120

ttatttttgt caaatcttat atggatagct tcttcaacaa ctaaggttat tgagttgtac 180

actctaaatg cctttgaagt ttcaaagtat caaagaaata ttccatagtc acttttcgag 240

tcaaaatttt cccagactat catttgtgtt aagaatgaaa cacttgcacc caaaaggatg 300

aaaatatgat atgttgggtt ttcttccctt ccacaattca taaggagtct ttntcaagat 360

gggtcttata taaattatgt tntgaagata gcatataagt tcttaggggt taagttatca 420

gttggcatgg ttctagccat ctcttggaga gaattgttct ttctttcaac tactccattt 480

tgtagcggag ttctt 495

<210> 4819
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4819

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ttgttatcat ttctttctcc atcattgagg gtgctaccta ggctgccagg tctctccacc 120

tttgggtgta tactttgaaa gatttcatgc cccttnttgc acatgttatg tagttgcatc 180

ctatccggag ccatatcaga attgtactga cactgcctaa cgaacgcaac cattagtgat 240

gcaagttcca ttggagcttg taggcctagg atcttcttca tcaatggatt cctttgcttc 300

ttggaagatg aatggcagtg gaatggagaa aggaagagag agaggagacg ccacttcaag 360

gagaagatga gtctagaaga agctcaccac cat 393

<210> 4820
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4820

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tctggaagac caccctcttc attgtagccc tgctgcttct tcccaaaact tgaacacctt 120

ctcacaattt gcttgatcac atctgcttgg ggtagcttat tggattnttt gatggccatt 180

gtgatatgtg attgtgttac ttagtactct ttgcacacct tcaaaagggt ctcttgaggg 240

tgctgaaagt gtgtgattca tggggcgagt ttggataggc atttatcatt gngacattgg 300

tgtaagtgga aatgagaaat tgagttttag agaaacaggg tcacgtggct gtggggacac 360

atgtagcaga ccacacccan natngtcgta catg 394

<210> 4821
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4821

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ggctgcaatt aaggcaacca caaagaggct gcaactaagg cgggataggg gtgaccatgg 120

ttatcaaaca ctcgagttaa ctcattaact cttacaagtt tacaaattca cttaccctct 180

atgagttgac tntgtataaa ctctcttttt agtagaccct aggtagactt tataaactct 240

aagtaaactc ggtagactct ggagtttacc accaagtcaa caagtcatca agttaaaaaa 300

attagaccaa aatgtaagtc attntgggtt attntttgtc tgtttagtgt tcaacatacc 360

ttcatttagt ttgttattcc caaataanaa aattctcatc tttaataaca tcaaaccctt 420

gatgggaatg atctacgact actataacat ctgcaagtta ttatctagta gtca 474

<210> 4822
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4822

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tatgatcttt caagcaacag atacaatcca ggttggagaa atcatccaaa tctgacatgg 120

gcaagtcctc cacaacaaca acagcctatc cctcctttcc agaatgttgc tggtccaagc 180

aagccatatg ttccttctcc aatacagcag cagcagtcac aacaaagaca acaagcagct 240

gaggcccctt ctcaaccttc cttagaggag ttagtaaggc aaatgaccat ccagaatatg 300

caatttcagc aagagacaag agcctccatt cagagtgtga caaatcanat ggggcagatg 360

gctactcagt tgaaccaagc tcagtaccaa aattctgaca aaattccttc atagactatg 420

cagaatccga aaatgtgagt gcatca 446

<210> 4823
<211> 208
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4823

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gtctattcan gcgcataata tatcgagacg ctcgaaattg aaccatggta gctctcgaga 120

aattcaaatg gtcataacct atcacacgaa agtccgattc tggcagatag tataccgaga 180

cgctcgtaat cgtacaacta aagctctc 208

<210> 4824
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4824

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aacataattg gagaaatatc aaagggagtt tctactcgcc ctagactcga gctaaatcag 120

tttaaaagga atgaagtgtg agacttagtt cctaaacctg cctctcacat gtcaatcgga 180

accaaatgga tgtttcaaaa caaacttgat gaatcaggca tcatagtaag aaacaaagcc 240

agattggttg cataagggta caaccaagag gaaggcattg actatgatga aacctatgcc 300

ctgttacaag gttagaagcc attatgctgc tggttgcttt tgcatatatn tatggattta 360

gattattcca tatgtatgtg aagagtgtct ctctcaatgg atacattgaa gaagaggtat 420

atgtagacta gcctncaggt ttcgtgcact atgaacatnc taatcatgtt ta 472

<210> 4825
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4825

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tgtcgagcat ctcgacatgt tatgcgctcg aatcggacat ccgtgtgana agttatgacc 120

atntgagtct ctcgagagct tacgtggttc aatttcgagc atctcgacat attatgcgcc 180

cgaatctgac cttcgtgtga taagttatga ccattagaat ttctcgagag ctttcgatgt 240

ttaatttcaa gcgtctctat gtgttgtaag cctgaatcgg atcgtaccgt gaatagatat 300

gaccat 306

<210> 4826
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4826

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anactnttga gctagaatgt gatgcctctg gagtgggagt tggagctgtt ttgttgcaag 120

gtgggcaccc tattgcttat tttagtgaan aacttcatgg tgcgaccctt aactacccca 180

cctatgataa agagctttat gccttaataa gagcactccg aacttgggaa cattaccttg 240

tttcccagga aattgtcatt catagtgatc aacaatcact taagtcatta gagggcaaag 300

caagttaaac aaaaggcatg caaaatgggt agagtaccta gagcaatntc catatgttat 360

caaatacaaa aagggaaaaa aaaatgtggt agctgatgcc ctctctatga gacacaca 418

<210> 4827
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4827

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tcaattagct cagttgcttc tttcggngtc ttcagttnta tcttaccccc tacagaagca 120

actaacaatt gcttggtttg tggtctcagc ccatctataa acatattcaa ttggattagc 180

tcggaaaacc catgagtggg agttcttctc aacaagcctc tgaacctctc caatgcttca 240

ctcagagatt catcangaaa ttgattaaat gaagagattg cagctttccc ttccgcaatc 300

ttggactctg ggaagtattt ttttaggaac tnttcaacaa cttcttccca ggttttcaac 360

ctattacctn tgaatgagta gagccacctc t 391

<210> 4828
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4828

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tgagtttaag ctctacttga aattaagtta ttcaatcttg tgagttcttg atttaatccc 180

tattttctct ccccctttgg catcaacaaa aagccaaagt gcgtaacaaa tataaaacat 240

acataaatga ctaatcatac acaagacatt cattgaanaa tctaaaccaa tcatgaagca 300

aaaacatgaa taacccaaat taatatataa accacatagt catataacat aattcataaa 360

aattcagtca tactaaacaa atattaaaag aaatactaga tgttcaaatg tcataataat 420

atagccaaat acatggctag aaatcanagt actaataata ctaaagaatt ata 473

<210> 4829
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4829

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gataatttct tcatttggtt ttgatgaaaa ccccatggat caatgcatat accacaaggt 120

tagtgggagt aaaatatgct ntcttgtttt atatgtagat gatattntac ttgcagccaa 180

tgatcggngt ttgctacatg aggtgaaaca atttctctct aagaatcttg acatgaagga 240

tatgggtgat gcatcttatg tcatcggcat taagattcat agagatagat ctcgaggtat 300

tntgggtcta tcacaggaca cctatattaa caaaattcta gagagatttc ggatgataga 360

atgttcacca agtgttgctc ccattgtgaa gggtgatagg tttaatttga accaatgtcc 420

aaagaatgac tttgagaggg aacaaattga gaacattcct tatgct 466

<210> 4830
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4830

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acttatttta tgccataagc atttgtgcaa gtgtttgaga aaactcttga aaataacttg 120

tgaaatgtcc ataagctgtt tttaagctta tttctataag ctcttcagga tagctaatga 180

aaacagctta caacttatat gaaaacagtt taacccgaat ttctcttcga ttatcgaaac 240

aacatataca aaattgttac atgataagta cttacctaat atgcctttaa ttaagttgtt 300

tttccaatca ggcctaagag attattgaat aaacacttaa ttaagttgtt tacactaaga 360

tgctgttcat gtgtgcaggg gaaatantca ccaatttgcc aaagagctgt cgatacattc 420

caacctgcag tgagtattcc atggaggcat ataagcgata tggatgcggt gaagggtaca 480

gtttaactgc gtggcgtata tg 502

<210> 4831
<211> 496

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4831

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ttaagaaggg gggttgaatt aagatattgc aaactatttc cccaattaaa attctacttc 120

aatttcaatg caagttacaa gttcccttaa aaatgaactc ttaaataatg attcaaatag 180

aacaatctga atataaatat aaagcaataa taaataaacg agtttaaggg aagagaaagt 240

gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtctag tccccaagca 300

acccgcttga gagttccact atcttgtaaa atccttttac aagttctaaa cacacaagga 360

caatccttcc tttgtgttca gatttcttta caacaagaga acctcggtct ctctantccc 420

tntgagaatt tagaaagaaa agaagaataa atctctcttg aaagagatag aatgtacaat 480

ctgagcactc aattat 496

<210> 4832
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4832

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aagttattat cgtttgaatt ngctctgaga ttctctttca atttcgagcg tctcgaaata 120

ttaagggact caatcagaca tacgagttaa aatttattgt tgtcttaatt tgctatgagc 180

tttcgttttc aatttcaaac gtctcgatat attacgagac ttaatcggac atccgagtaa 240

cgagttactg gtgttttgaa ttgctacgag tattcatttt catcttcgag cgttttgata 300

tattacggga cttaattgga catccgaata ataagttatt gtcgtttgaa tntgctcaga 360

gcttctgttt tcaatttcga gcgtctcgat atattacggg actcaatcaa acatccgaat 420

angatacgta ttggcgttga atttcacaga tgttttgttt caatcac 467

<210> 4833
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4833

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tctcgagaaa ttcaaatggt cataactttt cactcgcatg tccgattcag gcgcataaca 120

tatcgagacg cttgaaattg aacaactgat tctctcgaga aattcaaatg gtcataactt 180

ttaactcgca tgtccgaatc aggcgcataa catatcgaga cgctcgaaat tgaacaacgg 240

atgttctcga gaaattcana tggtcataac ttttcactct catgtgcgat tcaggcgaat 300

aacttatcga gacgctcgaa attgaacaac ggaagctctc gagatattca aatagtcata 360

acttttcact cggatgtcca ttcaggcgca tagcgtatcg agacgctaga aattgaacaa 420

cggatattct cgagaaatca tatggcataa cttttactcg catgccga 468

<210> 4834
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4834

atactctagc gtcacctgcc gcatgcaagc ttcacaatcc cacaacacct taattgatgc 60

agtatataag aaattctaaa taagattaac aatattctca ggcaaatctg ttggatcaag 120

tggcctcaga ataattaaga agggggggtt gaattaatta ttcctaaacc tttactaatt 180

aaaaaattac tcttctaagg cttttactaa gttgttaaga gaataaggag tagaagagaa 240

acttaataga aagtacaagc ggaaattaaa tgcacaacgg aaattaaaag agtagggaag 300

aaggagacaa atacataaga agttttatac tggttccgca acaacccgtg cctacatcca 360

gtccccaagc gacctgcggt ccttgagaat tctttcaacc ttgtaaaacn acctttacaa 420

gcaaagatcc acaagggatg taccctcct tgttctcttt gaaaccctag tggatgtacc 480

cttcact 487

<210> 4835
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4835

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atatcgagac gctcgaaatt gaacaacgga ggcattagag aaattcaaat ggtcataact 120

attcacacgg aggtcagact caggcgcata atatatagag acgctaaaaa ttgaacaacg 180

gacgccttcg tgatattcaa atgggcataa ctattcactc ggatgtcaga gtcatgcgca 240

taatatatct agacgctcga cattgaacaa cggaatctct agagaaagtc aaatggtcat 300

aactgttaac tcggatgtct gattcangcg cataatctat ctagacg 347

<210> 4836
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4836

agcttccatt gttcaatttc gagcgtctcg atatattatt cgcctgtatc tgactttcga 60

gttaaaagtt atgaccatgt gaatttctcg agagcttccg ttgttgaatt tggagcgtct 120

cgatatatta tgtgccggaa tcggacatcc gagttaaaag ttatgaccgt ctgaatttct 180

tataagcttn cgttgttcaa tttcgaccat cttcatatat tatgcgcctg aatctgacac 240

tcgagttcaa agttatgacc atttcaattt ccgagcgctt ccattgttca ctttctagcg 300

tctctatata tgatgcgcgt gaatctgacc tccgagttat 340

<210> 4837
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4837

agctagtcat ttatactatt tcttanagtt attgtcatat aagcaatgcc taggctatat 60

atatatatat atataaggaa ttntcagatc tatttgtttg taacacaaaa gcaagattat 120

tattctttat ttaaaggcct gaagtaattt gtaaagcgtt tattcaatat atgcattctt 180

aagctcttaa ataagaacaa tataacgtta aggtaattaa attgcttaat taccatgaat 240

tcaattaata tttttcagta gtttattatt cattataatt aaatcattct atctaatact 300

cgctgttaat taacgctaat attctaatca tgcgaattta attactttaa ctaaaatcaa 360

ataccatcat ttatgttttt aattatcata agtttttgct ataattctta aaaaagtaga 420

gacaaactca ttaattaaag tgatgaattg aattta 456

<210> 4838
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4838

tctctgagtc acctgcggca tgcaagctng gagtggaagg agaccatcaa ttagacacct 60

tagtagtttt gggtacataa catatgcata tgttttagac caactcaaga agatattgga 120

cgacaaaggt gaaaggtgta ttttcattgg ttacgacata gatttaaagg catacaaact 180

ttacaatcca tagacaacga aagtgattat cagttgatat gtgacgtttg atgagaaagg 240

catgtgggat tggtcgacaa gatcccagag gaagctagtg gtgactcttg acaactatga 300

agaaaatgat aaacaactag atctaacccc cgatgaacca aaatcatcta ggaggccaca 360

gaggaaacct caattgctag ttagattaca tgcttgtatc atgtctaatg ataatgatcc 420

ttccaacaag gagaatatca at 442

<210> 4839
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4839

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tntctcgata tattatgcgc cttaatcgga ctntcgtgtg acaagttatg tccatttgaa 120

tttctcgata gcattcgttg ttcaatatcg agcgtctcga tatattatgc gcctgaatcg 180

gacttccgtg tgacaagtta tgaccatttg aatttttcga gagcatcacg tgttagattt 240

cgagcatctc gatatattat gcgcctgaat cggacatccg tgtgacaagt tatggccata 300

tgaatgtctc gagagcatat cgtgctcaat ttcgagcgtc tcgatatagt atgcgcgtta 360

atcgaacttc cgtgtgacaa gttatgacca 390

<210> 4840
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4840

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aatctctcga gagcnttggc tgttcagttt cgagtgtctc gatatattat gcgcctgaat 120

cggacttttg tgtgacaagt tatgaacatt tgaatttctc gagacctttc ggttttcaat 180

atagatcgtc tcgatatgtg atgcgccaga atcggacttc cgtgtgacaa gttatgacca 240

ttggaattat cgagaccttc ggtgttaatt tgagggctcg atatattatg gcctgaatcg 300

gctttcggtg aaagtatgaa catggaattc tcgagccata cgatgtccat tcgagctctt 360

gatatattat gccctg 376

<210> 4841
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4841

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gagagagaga gagctatgtt attattacag taagattgng gcattatttt tccttccatt 120

gattcacatg caggctatat tgntattatt attttttttt tgagaaagtt atgttattac 180

tgggtaaaga ttggggagtt atttttcctt ccattgtttc acatgcaggc tatgtaatat 240

ggatatcnat tcgcacgtgc agcaagtcat ttgctttgct ttccatgata gtaggttgct 300

catggaaact tgtcaagaag canaaaattt gcggaagatt gtgactcttt tctacctcga 360

ctgacaattn ttatccatgt ctatgcatta tgtctccgca taagagtggg ctgngggaga 420

gtagtgcttc tttttggttt gaattaataa tattcagtga ta 462

<210> 4842
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4842

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ggaggatgga caagcacgga ggatggacaa gcaccaggtt catttgcgaa atttcttcaa 120

gaacatggga ttgttgccca atacactatg cctggttctc caaatcagaa tggtgtcgta 180

gaacgaagaa atcgaacctt attagacatg atgagaagca tgaggagtaa tgtaaagctt 240

cctcaattnt tttggattga tgctcttaag atggatgcgt atatattaaa ccgagttcca 300

accaaggcta tctcanagac acctttttgag ttattcaagg gttggaaacc aagtttgcaa 360

catatatgca tttggngatg accatcttga gtangaatta taatccacaa gagaagaaac 420

tagaccctan gactattact 440

<210> 4843
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4843

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taaacctgga catcttttag aaatgcttgt taagtcaaga caggtagaaa tccagtgtct 120

ccatttggga cctactgctc agtaaatctg ttgagggaaa aattcacagc ctccgtctta 180

acatcattgg ggttctgaat ccattcacac tgaataagaa ttccttgaag accattataa 240

tgtcttctga aattgatgac tttatggaaa tacgttgagt tgctgtcccc ttcttttagc 300

catttagctc tagatttctg ccttaataaa gattcataag ctattgaggc ctcccacaat 360

tcttggtgaa ttctctctaa cctttatctc atcat 395

<210> 4844
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4844

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agtccgattc acgcgcatac tatatcgaga cgcttgaaat tgaacaacga atgctctcga 120

aaaaatccta tggccatatc tgggaccacc ggtgtcggat tcatgcgcat gatatatcga 180

gacgctcgaa atctaacaac ggatgctctt gacaacattc aacgtgcata acttgtcata 240

cggaacaccg atatacgcgc ataatatatc gacacgctcg aaattgaaca acgaatgctc 300

tccataaatt aaatggtcat cacttgagac acggcataca gagga 345

<210> 4845
<211> 436
<212> DNA
<213> Glycine max

<400> 4845

tgctcctacc ataagtgcct cgtggagaca attatagcct ctttctgcac cgtcatcgac 60

ccgtacctca tcggaaaccc aaacagtacc tcatcggcgg tcgacaactc cgccattgtt 120

atctctggta tggcgtcatc cttgggcgac gccctcatct gatctatcac ctcaatcggc 180

aatgtcctca aaaccctata cagaaccccc tccacacctt ccactctgtc catgtcggtc 240

tacaacctct tcgccatccc tccatgccgt ctgagagaga cgaccactac gacgacgctg 300

ctttacgtgc tggcactggc gtgtaatgtc acgcgcgcgg cattgtctgg aagaacatca 360

gcggcagatg gcggtgcggt gacatcgggg gagtggagca tctccagctt tgaaccctaa 420

ttgggctgag atcatg 436

<210> 4846
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4846

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cactattata aaatacatct tctacatcgg ntatgtagga ctntctacat cnggttttaa 120

ccaatgttga aagtattatt gttaacatca gttttccaag accgatgttg acatagaatt 180

gacaacgtcg gttatctaaa taaccgatgt tatataataa gaattacacc aaaaaaagtg 240

tatgaatggt gatagttgac atcggttttt cacaaaaccg atgttaactt atagattaac 300

atctttgttg tataaaaatc gatgttaact tatatattat catcagcttt ttataaaaac 360

tgatgttana tggttatagg ttaacatcag ttcttaaaca aaaactgatg ttaatctata 420

agttaacatc cgttcttata caaagccgat gttaacggtt tgaatataac atc 473

<210> 4847
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4847

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ctttgaatac ctttaaagtt ccaccttctc ctttgaatga acatccagat taatctagca 120

ttcccaaaga gagtatgttc cttttaagct caggaacatg cctcacatca gggagcagct 180

ttacagatcc atcttgtatc ttcaatataa tagttccaat gccaatgaca ttacatgcca 240

tattgtttcc catgagaaca ttccctccat ctatctcctt ataagagctg aaccattcca 300

tattgggtgt catatggaat gagcaacccg agtctagaat ccattcctca ttgtgctntt 360

cagtagagat ggagagcact taatcacttt catatgcatc atccaccact gctatatcag 420

agtcatcatt gtatcacca 439

<210> 4848
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4848

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tctctntcaa ggtctctgtt ccaagctggg aatgatgaac atccattcct agcttgcggt 120

gggctctcaa caatagcttg ttagttagaa aaagctgtta gagttagttt tctctctggt 180

gtaactaact aaccacccgt tttctctatc cttcatatgt gtataaatat cttacgaatt 240

cagtaatana gacatgcaat tatttggtca tctcacgtac acttgcgtcg tttctctctc 300

ctttatggct gttgatccat ttaatatttg ttccgtgctt tcccctgnac gacgttttcg 360

agtagagaaa tgatgcattt cgaccggtgt cgttggaagc gaacgacgaa ttgtgtagtg 420

aaagagaagg actctcgcgt 440

<210> 4849
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4849

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cacactcatg gtggacatta caagtatcat gtgatgtcgt ttgacctctg taatgctccg 120

acaacatttc gagccactat gaatgacatt ttttgccctc tgttgtgcaa aacggtgatt 180

gcattttctg atgatatttt ggtctatagt gctgaccatg atcttcacat atcccatctc 240

tcttaagttt ttgaaagttt ggctcatcat tagttntttt ctattaaact tgagaaatgt 300

gtgttctatc agccttagtt gtctacttag gccatgtcat tttttgcggg tttagtggcc 360

cttattcctt ccaaggtcca ggcgattctt aagtggccaa ttcctaagaa tattaaaggc 420

ttgcacatcc tcttatgttt gttgggcttt ta 452

<210> 4850
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4850

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tngcttatct taagaattcg acccttatgg accttatgaa taacagattc tctggagggt 120

tgacattgag tattcaagag atgtattctt tagaggaaat ggttctgtcc aacaatgcaa 180

taggtggnga tatcatgacc cttaagtggg aaaaccttca caacttgatc attttggatc 240

tctctaacat ggagttgaaa ggggaaattc ctgagtctat atcggaatta aagaggttga 300

ggtttttagg ccttagtgac aacaacctca caggcaacct ttcaccaaat ctatctactc 360

ttccttgtct caatgcacta tatgttagtg gcaacaattn gacaggagag cttatattct 420

ctgtgtgagt ttatg 435

<210> 4851
<211> 412
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 4851

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agcttgtaaa aaatcttcta cacttgaagt gatcacatgc aatcctcttg aacccttacc 120

acccactctg tcatcatgcc gagacttatg aaggccaaca ggtttagcct tctcaattta 180

ttctgaacaa aattcaatgg cttcttcagc aatgtacctc tcaacaatag atgcttctgg 240

atgataaaga ttctttgtat acccttttcaa gatcatcatg tatcgctcaa ccgggtacat 300

ccaccataga taaacaggac cacaacattt gatttctctg actagatgca caatcaagtg 360

aatcatgatg tctaagacag caggcggaga atacatctcc aactgacaca gt 412

<210> 4852
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4852

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gtgtttgtgc agactactct gattgagttt tattcaactn tcggtgatgt gggtggctca 120

agaagggtgt ttgatgatat gcctgacaga gatngttttg cttggacgac gatgatttcg 180

gctcatgttc gggatgggga tatggcttct gcaggcagat tgtttgatga gaatgcctga 240

aagaatgtag ctacatggaa tgccatgatt gatgggtatg gaaaattatg gaatgctgag 300

tctgtctgag ttttgtttaa ccaaatgcct gcaagggata ttatttcttg gacaaccatg 360

atgaattgct attctcggaa canaaggtat aaagaagtga tagcactttt tcatgacgtg 420

attgacaaag gaatgattcc tgatgaagtg actatgacca ccgtcatttc agcat 475

<210> 4853
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4853

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aaagtttctc tcgaanaaag actaacaaag aanacatcat tggtgatgct agctatttta 120

gtttgtcaaa ttatttatat ggaagttatt taataattta gagacaaatg tgtataattg 180

tatattattg taaaaagata ttattcaaca ttgatttatt tttcttcata aaattctttt 240

aaaaatgaaa taataaatga attgctatcg agaactaaga acaactgatt aatcgtctta 300

atacaattga ttgatgcagg aaatgtatcc ctataaccac ctaaagggaa acatcatttt 360

atataaaaaa actggttcta tatntacttg actgagtctt tcgttataat ctagaaatgt 420

aataaataaa tagacacctc tttagcatca tagatatttt ttatatgata tatggtcaca 480

ttatg 485

<210> 4854
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4854

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tggccttgat tttctcatgg tccactagga ccccatttct accaactaca aaccctaaaa 120

aaactatatt atctacacaa aacgtacact tctctatatt tgcataaagg gtgtttttgc 180

taaggaccga aagaacttgc ctgagatgtc ctcagagatc atctaagctc ctactgtgca 240

ctaaaatatc atcaaaataa acaactacaa atctacctat gaaatgcctt aagacatgat 300

gcataagcct cataaaggtg cttggtgcat tagtgagccc aaaaggcatc actatccatt 360

catacaaacc aaacttggtc ttgaaagcgg ttatacactc atcacccttt ttcataccga 420

tgtggtgata ccca 434

<210> 4855
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4855

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ccaatttgca gcatctcgtc ttattatgcg cccgaatcgg acatccgcgt gaaaagttat 120

gaccatttgg atctgtcgag agctttccat gacgaatttc cgacgtatcg atttaatgtt 180

atccaccgct cggacatcgc gagtgaatac gttctgacgc atttgaattt cacgagagct 240

ttcgttgctc aatttcgagc gtctctatat gtgatgcgcc ccaattggac atccgagttg 300

aatgttatga ccattt 316

<210> 4856
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4856

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actcaggcgc atcacatata gaggcgctcg acaaggaaca acggaagatc tcaagaaatt 120

caaatggtca taactcttca cacggatgtt cgattatggc gaatcacata tctcaacgct 180

aaaaaatata caacggaagc tcttgagaaa ttcaaatggt cataactttt aactgggatc 240

tccgattcac gcgcatcaca tatagaggcg ctcgaagatg aacaacgaaa gctctcgaga 300

aat 303

<210> 4857
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4857

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tataaaggat cgattatgca tgattcacaa acataaatct atggaaatat aaaacttaag 120

attgtttatc caataccata taatttactt attttaacca acatttatat cgagaacttg 180

tttaataaca agttttagtg aaataatatt tatttattac actttacggc aattatagat 240

cctaaaatgc cttcttaata gctgctgcca attcatcata ggctacttcc caagcactgc 300

tcaactcgtc actccatttg tccccaactg tcttcttaat agcatatgcc aattcatctc 360

aatttccttc cacccaatca atggggaaca gtgacaggac gactactagt cctagatggg 420

tatatgtata tngcttaatt aacttcattn tattctttaa ttacata 467

<210> 4858
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4858

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ctattntcag attgggaatg cctctaacag catctttgtc aatgattttc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcatcttct ttggagaata 180

gacatgtgga ggagtagctg gtttcttgag gtgtccataa gtaacagatg tactttgatc 240

tcctgccctt cattaggact tcactcttct catttgtcac caagcattct gatctttgtg 300

a 301

<210> 4859
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4859

agctngaatc ggacatccgn gtgaaaagtt attaccattt gaatttctca agagcttccg 60

ttgttcaatt tcgatcctct cgacatatta tgcacccgaa tcggacatct gtgtgaaaag 120

tcatgatcat ttgaatttct cgagagtttc cgatgtttaa tttcgagcgt atcgatatat 180

tataaccctg aatcggacct cagtgtgaaa agttatgacc atttgaattt gacgagagct 240

tccgttgttc aatttctaat atcactgtat gtgatg 276

<210> 4860
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4860

agcttatgct gcaaacattt ataatagacc tcctcagcag caaaaccaac aacaacagaa 60

taattatgat ctttcaagca acagatacaa tccaggttgg agaaatcatc caaatctgag 120

atgggcaagt cctccagaac aacaacagca tgtccctcct ttctagaatg ctcctggtcc 180

aagcaagcca tatgttcctc ctccaataca acagcagcag tcataacaaa gacaacaagc 240

aactaaggct cctcctcaac cttccttaga agagttagtg aggcaaatga ccatccagaa 300

tatgcaattt cagcaagaga caagagcctc cattcagagt ctaacanata agatggggca 360

gatggctact acagtgaacc aagctcagtc ccaaaattat gac 403

<210> 4861
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4861

tctagatgag ttatgtctgc gaatcggaca tcctgtgaaa ttgtttttct catttgaatt 60

tctcgagtgc ttccgttgtt taatttcaag cgtctcgata ttntatgtcc tcaaatcaga 120

catcggagcg aaatgttatg accattcgaa tttgtcgaga gcttccgttg ttcaatttcg 180

agcgtctaga tgagttatgt caccgaatca gacatctgag tgaaatgtta tgaccattcg 240

aatgtgtcga gagcttccgt tgttcaattt cgagcgtcta gatgagttat gtcaccgaat 300

cggacatccg tgtaaaaagt atgac 325

<210> 4862
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4862

ggaatcggac atccgtgtga naagttatga ccatttgaac ttctcaagag cttccgctgg 60

tgagtttcga tcctctcgac atattatgcg cccgaatcgg acatctgtgt gaaaagtcat 120

gagcgttcga atgtctcgag agttttcgat gtttaatttc gagcgtatcg atatattata 180

accctgaatc ggacctcagt ctgaaaagat atgaccattt gaatttgacg agagcttccg 240

ttgctcaatt tcgaatgtca ctgtatgtga tgcgcctaaa ttggacattc gagttaaaag 300

ttatgaccat ttga 314

<210> 4863

<211> 318
<212> DNA
<213> Glycine max

<400> 4863

agcttttgag aaattcaaat ggttataact tttcacacgg atgttagatt aaggcgcatc 60

acatatagag acgcacgaaa atgaacaacg gtagctctcg agaaattcaa atggtcatca 120

cttttcacac tgaggtctga ttcgggctta taatatattg atatgctcga aattaaagat 180

cggaagctct ctagatattc aaatggtcat aacttttcac acggatgtcc gattcgggcg 240

cataatatgt cgagaggctc gaaattgaac aacggaagca ctcgagaaat acaaatggtc 300

ataacttttc acacggat 318

<210> 4864
<211> 332
<212> DNA
<213> Glycine max

<400> 4864

agcttcctat ggatttaata gtgtcaccat ttttcaccaa gtaaaccagc aaagagggga 60

tccctcttgc tgtctgattt tcaattggac aagcacgtga attggaattg tgagcttagc 120

accaattaca atgttgacaa gagcataata attctgaccc atcattgcct gacatgtggt 180

gaggccttgg aaggtttctt ttaccaactc ataataagtg tcattcttgc ttgtagagta 240

gggtgtgtta tactggtaaa tgtttcctga aacaaaacat atgaacaatg attgacttat 300

cggacttttt aaatatacat tataaaacta at 332

<210> 4865
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4865

agctntctaa acagttaaaa ttgagaagag atacaactgc ataaagagtc atctattttt 60

gaccaaactc aaattttgat tttttataaa ttatttcttg ttataaattt gattttgtat 120

aaattctcta ttgttatttt gattttgtat gaattctctc ttgttatant ttattttcat 180

taaccttgat gcgtacgatt tgntttagct tgttcttttt cctttatgtg aggtaaattt 240

cctacaaata aatcattatt tgatccagat attatcaaga ctaataggaa gaacaagaag 300

gaaaagaaac aaacaacaac taagccaccg ggtgaatctt cttgtactaa t 351

<210> 4866
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4866

agctntagca actctttctt tntgtttagt caaaacctct aatgctctta atctctcctc 60

atctaaatca accaactcat ctaacatcat tttccaataa tggtcgattg gaatgtccat 120

ttgtttttgt accctggctg attgcaaatg tatttcgacc ggaagtacag catcatgccc 180

ataagtcagt cgaaatgggg tagtattagt tgattcctta ggagaatttc tacatgccca 240

tagaacttga tctaacgtct tattccaatt tcttggcttt tgggcaatgt gatttttaat 300

caagttaatt acaatcttat tggctgcttc gacctgacca ttagtttgcg cgtaatatgg 360

tgttgaggtt aataatccaa agccaatttt tgggcaaatt cttttatttt ctgtcacgaa 420

aaactgaa 428

<210> 4867
<211> 316
<212> DNA
<213> Glycine max

<400> 4867

tctcgatata ttatgcgcct gaatcagact tccgttacat tatttatgac catatgaatt 60

tctcgagagc cttcgttgtt caatttcgag cgtcttgata tagtatgcgc ctgaatcgga 120

cttccgtgtg ataagttatg accatttgaa tttgtcgaga gcttccgatt ttcaatttag 180

agcttctcga tatattatga acctgaatcg gacttccgtg tgacaagtta tgaccatttg 240

aatacctaga tagcattcgg tgttcaattt cgagcgtctc gatatattat gcgcctgaat 300

cggactttcg tgtgac 316

<210> 4868
<211> 370
<212> DNA

<213> Glycine max

<400> 4868

agcttctcga tatattatgc gcctgattct tattttcgtg tgaaaagtta tgaccattgg 60

aatttctcga gagcttccga tgttctattt cgagcgtctc gatatattat gcacctgaat 120

cggacttccg tgtgacatgt tatgaccatt ttagtttctc gagagtttct gttgttcaat 180

ttcaagcttc tcgatatatt atgtggctga atcggacttt cgtttgaaaa gttatgacca 240

tttgaatttc tcgggagctt tggttgttca atttcgagcg tctcgatata ttatgctcct 300

gaatcggact ctcgtgtgac aagttatgac catttgaatt tcacgagagc attccgtgtt 360

caaattcgag 370

<210> 4869
<211> 406
<212> DNA
<213> Glycine max

<400> 4869

cttgaaatct gaagtttaat attcaaatga tcaatgttct ataaaatgc acacacatga 60

cctctattta tagcctaagt gtcacacaaa attggagggt ttgaaattga atttgtggag 120

ccaaactttg gagccaaaat ttcactaatt atgattagtg aattttattt atggttcagc 180

ccactaatcc aagatcaaat ataatattct ccactaagtg tgcttaggtg tcatgaggca 240

tgaaaagcat gatggacatg cacaaagtgt gactatatga tgtggcaatg atgtgtagta 300

agcaaatgct cacctgcccc tctaaaattt aattggatgg agcttctacc aattcaatta 360

aatttatttc caaccacaca cattatatat ccacttaatg catgtg 406

<210> 4870
<211> 308
<212> DNA
<213> Glycine max

<400> 4870

ctgtcaaatt gctgggatta ctattgctgc gaccataact ctatgcaatt cctctcatga 60

tacccagata tgtaagaatt gtaagatagg aaaacaggtt ccgcgtcagc caggactatg 120

tggagcaatt gttcctcgat cctgtgatca tgttccataa gtttagtcct tgctttagtt 180

cgctttgctt gactcatgat atgctctact cttttattac tattttggga tgtctcttac 240

taggtaaagg atatttgcaa cctggtgtag aaacatgtcc aattgatccc tggctcgtgg 300

atcctgac 308

<210> 4871
<211> 419
<212> DNA
<213> Glycine max

<400> 4871

agctagcatg gggctttggc ttgtgtgata tggccattca ctccgccaca gtggatggag 60

cttgaacatt ttgctaattt agttgatgaa caattattta gttattaata catagctttt 120

ttgttttgtt aataatataa ttctcaccat tatttagtta ttaatattta gttttttatg 180

cattaacact agattgcttt ttaatggtat attgcatatt aaaaaacgac ccgtgcgtta 240

cgcacgggtt tatattataa taacgatatt gtgatagcaa tataggtcat tttaaactta 300

ttaatactat ttagtttttg gattggacta cataaaccaa tcattttatg tctaaaaata 360

tttcttttta aatatgataa tagtgtcata atgatttttt aattcatagc ctcctccttt 419

<210> 4872
<211> 321
<212> DNA
<213> Glycine max

<400> 4872

agcttcaaca tcagaccact ttttggtgct ggaactactt cacatggact tgatggggcc 60

tatgcaagtt gaaagccttg gaggaaagag gtatgcctat gttgttgtgg atgaatcctt 120

caaatataaa cgtgacgaga ctatccttat cttctagtgg cacaacagtc tagtccaaag 180

attactccta ttaagtcaaa gagaaagcga ctgtgtgatc aagagaacca ggattgacca 240

ctggcggaac ttagagaaca caggatgaat ctacttttat catcctgagg aagcgcatgg 300

ttaaacaatc actaattctt a 321

<210> 4873
<211> 325
<212> DNA
<213> Glycine max

<400> 4873

agcttaccaa agactacatg tttcctgcat aatggccaca taactgtaca gtcaggcatt 60

ttaccttgcc aacccccaca atcaaaaatc aaaatagaac atccatgtaa gaagtaaaat 120

gctgccaata attaaccaga cacacaaacc tatcaagatg atgatcagct ttcaaagtga 180

taatgaaatg ggaaccgagt gtgtcacggt ctgcaattgc cattgataaa aggccagtag 240

catcatgctt tagcctatgt gaactcatct aaacaaatca cagatacata atacattaat 300

tattaaatac aacactacag tacta 325

<210> 4874
<211> 301
<212> DNA
<213> Glycine max

<400> 4874

tatttcagta caatacccaa agcttgttga ttttctcctt cattctgctc ccaattccaa 60

ttcttttgtt cttcaaagat tacatctttg ctaattataa tatttctgtt gactggatca 120

aataatctat atgccttgga ttcatcactg actccaaaca aaacacattg cttactcttg 180

tcatccaact taacccgctg ttggtctggt gtatgaacat gagctaggca atcaaatacc 240

caaaaataat taacagaagg cgtaattcca ctccatgctt ctttaggagt tttgtcttgc 300

a 301

<210> 4875
<211> 452
<212> DNA
<213> Glycine max

<400> 4875

tctcatcaat ggtattataa tttccatcaa gtcattacct catatggttt tgaggcaaat 60

gtagttgatg attgtgtgta tcataagttc agtgggagta aatacatatt attgctagca 120

atgatatagg cttcttggaa gaggccaaaa gatttctaac gaaaattttg aaatgaaaga 180

ttttggggaa gccttttttg tgatttcaag atactaagag atcactctca aggtatccta 240

aggttgttac acgtgaacta tatcgataag gccctagata gattcagcat aaaagatagt 300

aaataaggag attccccaat agctaaagga gataaatgca gtctcaaaca atgcctcaat 360

aatgaccttt aaagaattga gatgcaagag atttcatata tgtcaacagt aggaggtcta 420

atgtacacct ccagttgtac tcatcccgac at 452

<210> 4876
<211> 421
<212> DNA
<213> Glycine max

<400> 4876

gacactatga aactaagctt aacattcaat ttcgagcatc tcgatatgtt acgggactga 60

atcttacatc cgagtaaaaa gatattgtcg tttgaatttg ctcagagcat caacattcaa 120

tttcaagcat ctcgatacat gacgggactg aatcagacat tcgagtaaaa agttattgtc 180

gtttgaattt gctcagagca tgaacattca atttcgagcg tctcgatata ttacgggact 240

caatcaaaca tccgagtaaa aagatattgt cgtttgaatt tgcttagagc atcaacattc 300

aatttcgagc acctcgatat gtgacgggac tgaatcagac atccgagtaa aaagttattg 360

tcgcttgaat tggctcagag cttcaacatt caatttcgag cgtctcgata tgtgacggga 420

c 421

<210> 4877
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4877

agcnttgagc caattaagac gacaatatct ttttactctg atgtctgatt gagtcccgtc 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagtccgat aatataacga gacgctcgaa attgaatgtt 180

gaagctctga gaaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

taatatatcg acacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300

aatatttact cggatgtctg atttagtccc gtcatatatc gagacgctcg aaattgaatg 360

ctgaagctc 369

<210> 4878
<211> 393

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4878

ntactgaaag agatcactcc tcgatgtacc aaggttgaat tgcatgatcc tcaatggtta 60

gatacaatga aggaagaata catggttctg acgcagaata aaacatggga tctcgtccct 120

ttgcctcctc ataggaaggc tattggttct aaatggatat atcggttgaa atacaatgtt 180

gatggctctg tagccagaca taaagctaga ctggtagctc aggggtattc tcaacgacca 240

ggacttgatt ataatgagac attcagtccc gttatcaaac acgtaaccat tcgaacggtc 300

ttgagcattg ctgtcaccag aaaatggaat atacgacaag tagacgttaa caatgctttc 360

ctaaatggtt ccattcaaga ggaagtatat atg 393

<210> 4879
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4879

tgagccaact canacgataa taactttnta ctcggatgtc tgattgagtc ccgtaacata 60

tcgagacgct cgaaattgaa tgttgaacct ctgagccaat tcaaacgaca ataacttttt 120

tcacggatgt ctgattgagt cccgtaacat attgagacgc tcgaaattga atgttgaacc 180

tctgagcaaa ttcaaacgac aatatacttt tactcggatg tctgattgag tcccgtaaca 240

tatcgagacg ctcgaaattg aatgttgaag ctctgagcca atacaaacga ccataacttt 300

ttactcggat gtctgattga gtcccgtaac atatcgagac gctcgaaaat gaatggtgaa 360

gctctgagcc aattcaaacg accataactt tttactcgga tgtctgattg agtcccgtac 420

atatcgagac 430

<210> 4880
<211> 338
<212> DNA
<213> Glycine max

<400> 4880

agcttcaaca ttcaatttcg accgtcttga tatgttaagg gactcaatca gacatccgag 60

aaaaaagtta ttgtcgtttg agttggctca gaacttcaac attcaatttc gaccgtctcg 120

atatgttaag ggactcaatc aaacatccga gtaaaaagtt atggtccttt gtattggctc 180

aaagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat cagacatccg 240

agaaaaaagt tatcgtcgtt tgagttggct caaagcttca acattcaatt tcgagcgtct 300

cgatatgtta cgggactcaa tcagacatcc gagtaaaa 338

<210> 4881
<211> 308
<212> DNA
<213> Glycine max

<400> 4881

agcttgtagg aaattcaaac gacaataact ttttactcgg atgtccgatt gaatcgggta 60

atatatcgag acgctcaaaa ttgagactag aagctctgag caaaatgaaa tgacaatata 120

cttatacacg gatgtccggg tgagtcccgt aatatatcga gacgctccaa attgaaacgg 180

aaactcttag aaaattcaac gacaataact ttttactcgg atgcccgaca gattgccgta 240

atttatcgag agatgctcca aattgaaaac agaagctcgt atcaaataca aacgacaata 300

acttttta 308

<210> 4882
<211> 285
<212> DNA
<213> Glycine max

<400> 4882

tcagctgtag aagtcaattt cgagcgtata ctagattctt tactcaagca gacatccgag 60

caatacatta ctgtcgttgg aattagctca gagcttcaga attcattttc gatcgtctcg 120

atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcgtt cgaatatgct 180

gagagcttca tcattcaata tcgagcgtct cgatgttcta tgggacttaa tcagacatgc 240

gagtaaaaag ctattgccga ttgaatacgc tgagagctgc aacat 285

<210> 4883
<211> 238
<212> DNA
<213> Glycine max

<400> 4883

agcttttgag aaattcaaat ggtcattact tttcactcgg ttgtcagatt caggcgtata 60

atatatcgag acgctcaaaa tagaacagtg gaagctattg agcgagagaa atggtcataa 120

ctgttcactc ggaggtccga ttcaagcaca taatatatcg agaggcccga aattgaacaa 180

cagaagctct tgaaaaattc gaatggccaa ttctttacac tcggatgtcc gatcaggc 238

<210> 4884
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4884

ngcaactttc tcagcagcca cgtaacacaa cacttcatgg ccttcatcct tctcttccac 60

cttaacctca accctcttct tcttctgctc acattcccca tacacctctt cctcagcttc 120

atcatcatct tcatcaattt caacaacctc aaaaggacca tcatcctcac tctctcccag 180

aaactcaaaa ccccttccca tagatttttc aatcttcgca ctcgcacctt cacctccacc 240

cttgagttct ttcacgaaaa ccaattcatc atcatcgtaa tccaccactc tcctcctctt 300

ccgactcctg atcaaaccac cccgaacctc gactcctttg cttcgcgtcc tacgagctgg 360

tccagtatac tcattcattt caaacaacaa aaccaacaca naaaaaagac ccttttctnt 420

cctgtttctt cgaacaataa tcagaaacac cccacaacgc aagatc 466

<210> 4885
<211> 346
<212> DNA
<213> Glycine max

<400> 4885

tctcgatata ttacgtccca aattcggaca tccgtgtgat atgttatgac cattcgaatt 60

tctctagagc ttccattgtt caatttcgag agtctagatg agttatgtac gcgaatcgga 120

catccgtgtg aaaagttatg accattcgaa tttctcgaga gcttccgttg ttcaatttct 180

agcgtctaga tgagttatgt acgcgaatcg gacatccgtg tgaaaagtta tgaccattca 240

aatatctcga gtgcttccgt tgtgcatttt cgagcatctc gatatattat gtcccccaat 300

tcagacatcc gtgtgaaaag ttatgaccat tcgaattctc gagagc 346

<210> 4886
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4886

taacataagg catgtgaagt gggtggaatt cctatagcaa ttcccttatg ttatcaaaca 60

taaaaaggga aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120

tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180

aactgttgga gaaatttgta aaaattgtga aaaatattca gaaaatggtt tctttagaca 240

tgaaggcttt cttttcaaag aaaacaaatt gcgtgtgcct aaatgttcta ctagaaattt 300

gcttgtttgt gaagcacatg aaggaggttt aatggggcat tttggggtcc aaaagactct 360

atanacatta caagaacatc tttattggcc tcatatgaaa aaggatgtgc agaaatattg 420

tgaacatcgc attgtattgt aaaaggcaaa gtct 454

<210> 4887
<211> 333
<212> DNA
<213> Glycine max

<400> 4887

tccttaagaa gattcctaaa gaagctagag cttagctaca cttacctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagaac ttagctacac acccccctata atagctaagc 120

tcacccccat gacaaaaaac atgaaaatac aaaaaaaaag tccttactac aaagactact 180

caaaatgtcc caaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg 240

ctaaaacgaa ggaaaaacct attctaatat ttacaaagat aagcgggctc atacttagcc 300

cattggctcg aaatctaccc taaggctcat gag 333

<210> 4888
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4888

tacggacact ataaaactca agctngtaaa cgattctatg aaccatacca agttttggac 60

catattggct aggttgcata caaacttcta ttgcctgaga gatcccgcat tcatcctgct 120

ttccattgtt ccttccttaa acccttccac caaacatctg aagaatattg tgtcccacta 180

gcattgactt ccaatgatgt tgaaaatcaa ccagctatct ctcttttagc cattctgggc 240

actcattatg cctctgagtc tactgatcca aagctaaggt attagttcaa tgggcagggt 300

tgtctcttga tgacattaca tgggaagatt gggaagaact caagactgtc tatcaccttg 360

tggacaaagt gtttttggat ggcgcaaggg atgatagga 399

<210> 4889
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4889

tatacaaact gactcattac ctttgttatg caaacgctat tattattatc aagttcagaa 60

ggatcaatct catactccgg gacttcacga gcattttgca catgcatggg agccatctac 120

caaaaaaaaa aaagaagttc acaattgaaa cagatatcat aaaccaacta ttctaaaaag 180

agtttaacaa ttatgcaatg tcagttgaat tgttttatac gtaaaaatca acccttttt 240

tttactctct aacagtaatt ccgatattat tatagtcttt ttagtgaata atacaaaaga 300

aaataatagа agaaactttt ttgaataata gttacaaatt ccttcatatn tttagagaca 360

accaacttat atgataattt gtaactaaac atatatcana aactgctggt atgtgtgttg 420

actttcataa tcattatctt aaaagtcata caaaactact aaa 463

<210> 4890
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4890

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60

tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctctggag 180

aatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtccttt 240

gatctgttgc ccttcattag gactttactc ttctcattng tcaccaaaca ttctgacttt 300

gtgaagttta cattgaatcc ttcatcacac agctgactga tgc 343

<210> 4891
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4891

cttgtcctct nttcgtctgg aacatgggta taggcaatgc tttcaaacac tntgaggtga 60

gagatcccgg gcttccttcc actccatgct tcttgtggtg tcttctcatg cacgcttttt 120

gttggggaac agtttgttag gtaaactgca catgccactg ctttagccca aaactccttc 180

ggcatcttct tgctcttgag catgcttcgc accatgttaa gtatggtccg gttctttctc 240

tctgctactc cattttgttg tggcgatctt ggcactgtca gtgggcgacg gattccatgg 300

tcttcacaat atttgttgaa cttaattgaa gtgaactctc ctcctcgatc agatctcatg 360

gccttgatgg aaagaccagt ttctttctcc ac 392

<210> 4892
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4892

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catgtgcatg tgctgctact aatggaggca cttgaatatg gttgccagac ctcaaggtga 120

tggcactcac atttttcgga ttttgcacaa tatgtgaagg caatttgtca aagatttggg 180

actgagcttg attcatctga gtagccatct gtcccatctg gtttgtcaga ctctgaatgg 240

aggctcttgt ctcttgttga aattgcatat tctggatggt catttgcctc actaactct 299

<210> 4893
<211> 463
<212> DNA

<213> Glycine max

<400> 4893

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tagacactgc ctctccccac aagtacttgg gcagactctt gcctttcaac atgctcctta 120

ccatattcat tatggttctg ttttttcttt ctgcagctcc aatatgttga ggtgtgtagg 180

gaggagtcac ttcatgaatt atgccttctt gatcacaaaa ttcttgaaat tctgtagaaa 240

catattcacc accaccatct gttctcaata tcttgattaa tgagtcactt tgcctttctg 300

ccatattttt gaacttctca aagacttcaa agacatcact cttccttctt attaggtaaa 360

cccatacttt cctagtcaat tcatcaataa aggatatgaa gtatctgttt ccacccagag 420

attcagtttg catagggcca cacacatcag agtaaatcac ctc 463

<210> 4894
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4894

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acacttcctg agcaggtacg agcagttatg caagtgggat cagcaacttt cattatcaga 120

gtaatcaagc acagcggaaa ttctgcaagt tgcaaatcta caagtcttct ccaggatgtc 180

aagacatctc acgtgacatc agctntctgc tcctgctccc cctgtctcca tgcttactgc 240

agcatcttct atcagctact agtcttttcc aggatgtcga gacttctcat gtgacatcag 300

ctntttgctc cccctgtctt catgctctta ctgcagcatc ttttatcagc tagtagctta 360

caccaatcat cagcagcagt ctcccccctca aagtcatata catacaactc cccctcanaa 420

tcatgaatca tgcgtacatc gtatcctact gccatacatc 460

<210> 4895
<211> 369
<212> DNA
<213> Glycine max

<400> 4895

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cgtcgccttc gtgcgccacc gatcagtctg agagctccgc cgccactccg ccgagtcctt 120

cttcggcgtc gacgtcgtcg tcgccgtcca cgctggtggt aactcccagc tgcggcggcg 180

gcggcgcgag tccggtggtg aatcggcagg acttttttctc gtcggaggaa gagtttcagg 240

tgcagctagc cctagctatc agcgcttcca attcggagtt ccgcgaggat cctgagaagg 300

atcatatcca cgcggcgacg ctggtgagct tgggatgcca tcggatcgat tcgacgagga 360

acacggacg 369

<210> 4896
<211> 223
<212> DNA
<213> Glycine max

<400> 4896

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cgtctccata tgtcatgtgc ctgaatcgga ccttcgtaag aaaatttatg accatttgga 120

cctctcttga gcttccgtgg ttaatttcga gcttttctat atctgatgtg cctgaatcgg 180

gcatccgagt gataagttgt gacaatttca atttctacag agc 223

<210> 4897
<211> 301
<212> DNA
<213> Glycine max

<400> 4897

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ggtgcaggtg ctgctactag tggaggcact tgaatttggt tgccagacct caatgtgatg 120

gcactcacat ttttcggatt ttgcacaatt tgtgaaggca atctgtcaaa attttgggac 180

tgagcttgat tcatctgagt agccatctgt cccatctggt ttgtcagact ctgaatggag 240

gctcttgtct cttgttgaaa ttgcatattc tggatggtca tttgcctcac taactctttc 300

t 301

<210> 4898
<211> 353
<212> DNA
<213> Glycine max

<400> 4898

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caagaagaat gttgcttgct ttgatgtctc ggtgaacaat tcttaaatgt gaattctctg 120

ggaggtattg taatccccgt gctacaccaa gaataatttg gaatctagag ctccaatgta 180

gaaattgatc actcttttct gacatcacag aaacatccta ataaggaatt attctcttaa 240

aactactttc agttctttga attactcatg acacattgga catggtgtac attttcacaa 300

gatctactac ttctaggaaa gcacttatct ttacatatga taaacaccat gct 353

<210> 4899
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4899

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gaagaaccat caacaagtta agtctcatta aacttttcat gccattgttt aggaacttgt 120

tttaaaccat atagggattt caaaagtttg cacattttgt tctcttgacc atccaccaca 180

caccccttaa gttgagtcat atatatcctc ttcgctatat caccattcaa gatagttgtc 240

ttaacaccca tctgatgaat cactaactta tggattgtag ctaaggctat cataatccta 300

atggaggaaa tccttgtaat atgtgcaaag gtataaaaaa aatctatgtt aggtttctaa 360

gtaaaccctt tagcaatcaa ccttgctatg ttattatcta tagattcatc acgattatac 420

attctcttat agatccattt acattcaata ggattagcac ccttaga 467

<210> 4900
<211> 429
<212> DNA
<213> Glycine max

<400> 4900

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ttcgagttaa aacttattgt catttcattt tactcagagc ttccgttttc aattacgaac 120

gtcacgatac cgtacgggac tcaatcggat atccgattga aaagttattg tcgttagaat 180

ttactcagag cttctgtttt caatcacgaa cgacttgata ttctacggga cacaatcgga 240

cattcgagtc aaaaattatt ggcgtttgac tattcttaga gcttccgttt tcaattctaa 300

gcgtctcgat atattagaga gctcaatcgg acatctgagt taaaagttat tgtcgttcga 360

cttttcttag aggttccgtt ttgaatttcg acggtctcga tataatacat ggctcaatcg 420

gacatccga 429

<210> 4901
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4901

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atatatcgag acgctcctaa ttgaaaaccg acgctctgag cagatttaaa ggacaataaa 120

ttttcactct gatgtccgat tgtgtcccgt aagatatcga gacgctctta attgaaaacg 180

gatgctctta gaaaattcta cgacaataac ttttaactcc gatgtctaat tgagccgcta 240

aatatatcgg gacccctgaa aatgaaactg agctctatga aagttaacga cataactt 298

<210> 4902
<211> 215
<212> DNA
<213> Glycine max

<400> 4902

ccttactact ttcttgatgt acaactccac tagcgttgcc attctatact tcatccgagt 60

gaaatgttat gaccattcga atttttcgag agcttccgtt gtgcaactat gagcgtcatg 120

atataatatg ggctcgaatc gaacattcga gtgaaatggt ttgacaattt cgaattttcg 180

agagacttcg ttgttcaatt tgagcggcta gaaga 215

<210> 4903
<211> 460
<212> DNA
<213> Glycine max

<400> 4903

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ttaggcaacg ccgttcccaa ggttccttcc ttctctgatt ctgtctgata agttgttatc 120

ttaattgaag aatctaagct tttgaatttt catgagccgg tgttgtttct gaaaccgacg 180

tcgtcttact tgaaaaacgg cggaaccatc caaattccac acaacgaggg ctctctgcat 240

cacgaggttg agctcgctgt ggtcatcgcc aagaaagcac gtgacgtctc cgaatcctct 300

gcgatggatt atgtcgccgg tattcactat tcatttatct tatgccttat cctgctgtta 360

accgtgaaaa tcgttaatag atttcttaaa gtatttttta tctctaagaa gttaattctc 420

actgctgatt ttatctagag tgagatatta tattcatttt 460

<210> 4904
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4904

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tttggaaatc tactctaaag atacgtgtaa ttatacccat aattatacac actccccctc 120

aagctggagc atataaatta tatgcaccaa gcttggaaca tataaactga attctaggcc 180

cccttaagga tttagtcaaa atatctgctg gctgatcatt ggaattaatg aattcagtaa 240

caatctcttt agacagtagc ttctcccgaa taaagtgaca gtcaatctct atgtgcttgg 300

ttctctcatg gaagactgga tttgaagcaa tatgcagagc agtctgatta tcacaataca 360

acttcatttg catcactttg cagaatttca actcttcaag aaattgtttg anccacataa 420

gttcacatgt gactacagcc atagatctat 450

<210> 4905
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4905

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gagaggtatg cctaatttgt tgtggatgat ttttccagat atacctgggt caacttttc 120

atgatagaaa tcagactcct tcgaagtatt caaagagttg agtctataac ttcaaagaga 180

tatagactgc gtcatctaga gaatatggag tgaccattgc tgagagtttg ataactgcaa 240

gtttactgaa ttctgcacat ctgaaagcat cactcatgag ttctctgcag ccattacacc 300

acaacaaaat ggcatagttg aaaggaaaaa catgactttg caaaaanctg ctagggncat 360

gcttcatgc 369

<210> 4906
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4906

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tttaatcatg attagccatt gatcaaaaat tacaattaaa aattgtcgtt cattaagtgt 120

taccatattt aacattaatt aaagattaaa ttgatcatat tcatactact tttaatgatt 180

tataatgttt tactctactt attaagaaat atttaaacac acataagtct atttttaaa 240

ttaatgtact ttaaaatata ttttatgagc aataataatt aaaaacaatg attctataat 300

ataaaaataa tacattttat attaacgaac agtaattata gtatgtgtta taaatgaatt 360

acagatacgt aatatattta aacaatcata ataagctacg tatttttaa taactatata 420

tatttttaaa a 431

<210> 4907
<211> 410
<212> DNA
<213> Glycine max

<400> 4907

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aaattatctt ttccattatt caatacaaag catatacaac caaagatatg aatatgtgag 120

atgtttggtt ttctgtcact gaacaaatca tatggagttg tctttaagat ggggcttatt 180

aaagcccttа tttaatgatg tagctatgcg agtgttaacg actttaaccc aaaaatatta 240

tggaagacgt gtatcattta ataaagttct agcaatcttt tcaaagatct attatgtctt 300

tcaacaacac cattttgttg aggggatcct ggtgcagaaa agttagctca atcccatgct 360

tatcacacaa taagtcaaat tctatatttc atactcaccc tcatgattac 410

<210> 4908
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4908

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tcttcttcat agatagggca tgcatgatgg cccttaacac tgtatccact caaattccca 120

tatgttggaa agtcattaat gatacaaaat atcattgcac acaacttgaa tgtttcattn 180

tgatacggca acccccctcgt cccacaactt tgtcaagtct tcaatcaagg gactgagatg 240

aacatcaatg tcatttcttg gttgtcttgg gcccgatatc atcatacaca acatcatgta 300

ttttcgcttc atgcacaact aaggaggcaa gctatacatt actagcaaaa taggccacga 360

actgtgttga gtgcttaaac tgccatacag atccattcca tcactggcaa gtccaagcct 420

aggatntctt gcctcttttt cgaattctgg atacaaacta 460

<210> 4909
<211> 420
<212> DNA
<213> Glycine max

<400> 4909

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gctggggctg tgtaaggctt tgcagttgct ggatataagt aacaatagga tcactggttc 120

tattcctgat gagatcggtt atttgcaaga attagatatc ctcttgaact tgagttggaa 180

ttctcttact ggccccattc cagagacctt ctcaaatctc tcaaaactat ccatcttgga 240

tctctctcac aacaagctca caggtacact cacagttctg gttagtcttg acaatctagt 300

gtctctaaat gtctcctaca atagcttttc tggttctctt cctgatacaa aggtcttccg 360

ggatctaccc actgctgtcg ttgctggtaa ccctgtacct tgcattagca tgtgtcatgc 420

<210> 4910
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4910

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aaatgaaagg aatcagaact gggttgcctc ccaggaagcg ctcttttaac gtcattagct 120

tgatgcatat acctcaatag gtgatattaa atttggccct cactttcagg acctcccttа 180

cctgtaagca aacattttgt tctggcacag gcttgtcttc tacaaataaa tcaaaatcaa 240

ttctttgatc ttcaaaaccc atttctagtt tctttcttcc caagattaag ggaatgtcat 300

tatcttcaca gatatccatt acaacaaagt ctgttgggaa gataaaatgt tttactctga 360

cctaaacatc ttcaattact ccgtatggtc tggtaatgga gcggtcaacc aactgtagag 420

tcattctagt gggcatgat 439

<210> 4911
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4911

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ctgctcccca aattcctgaa aaatgtaaag atccaggtac attcagcata ccttgtatta 120

tagggaatag taagtttgac aatgccatgc tagatttagg agcttctgtt agtgttatgc 180

ctctgtctat atttaattct ctatctctag gtcccttgca gtcaactgat gtggtaattc 240

atttagctaa tagaagtgtt gcctaccctg ttggtttcat agaagatgtc ttagttagag 300

ttggtgaact ggattttcct ggtgattntt atatattgaa tatggaa 347

<210> 4912
<211> 471
<212> DNA
<213> Glycine max

<400> 4912

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caagaatgac ttcatagagt ctcaagcttt accagtcctt gataaactcc tagaagatgt 120

aagcatgcat ctctacagca ctattgtccc tatcacgttt catatcagat gcgtgagtgt 180

gcatcttaat tagcaataga aataggtagg tttgttagta aaatacctgt ctacacatta 240

aattaacgca atgtggggag gaactgtttc cttgcctgaa aaggcatttt cggaatcgaa 300

acgagaatgg agacgattat cacttgtttc aacaaagcca tttcaaatga ttggcgtgtc 360

gaaattgctc ttgtttcaat atgtgacaga gtcattatct gcagacgtct tcgctgaaat 420

gatatgacca atatatttaa gccactccag aacataatta aaatacattt t 471

<210> 4913
<211> 406
<212> DNA
<213> Glycine max

<400> 4913

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gtgggcttaa tatggaagtg agggacaagg ttgaactcct tccatatagg gacctagatg 180

agctagtcca actttgtata agagtggagc aacaacttaa aagaaagcct tcttcaaaat 240

cttatggctc tcactcttat ccaaggaagg accaagccta tggaatttta ggggctgcac 300

cttcaaaacc caaggaagaa tagggtaaga ccatagagaa atacacccct aagactagtt 360

cccaagaaag gactaacaac attaaatgct ttaaatgtct tgggag 406

<210> 4914
<211> 465
<212> DNA
<213> Glycine max

<400> 4914

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tattgtctat tgtacttaaa tataaataaa tttaattaat tttatgccat ttaatgttat 120

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ttttcacgta agattaaatg atggtaggag atgtggagtg gacttgagaa tagatatgtt 300

ttgcttacct tcataggcta gttttttcta aaagataatt tattctttgg tacagagact 360

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caagataatg atatatgata gtttattcat tctttgatat catac 465

<210> 4915
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4915

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aagtctagat aggtggttag ccactaaatt ntcacttccc ttcttatcct ttatttcttg 120

atcaaattcc tacaacataa gtatccacct aataagtatt tgtttggaat taggcttagt 180

taagaggtac ttaatgttag acaagtggcc tcagatatct taagaagggg gggttgaatt 240

aagatattcc aaacttttct cctaattaaa aatctatctt actttntact taagttatga 300

attcccttaa tgacaatctt cttacatatt aattcatatg aagcaacttg aattatgaat 360

attaagcatt aatatata 378

<210> 4916
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4916

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tgttnttcct gcatcacaga gtccgttaat taaagtcccg taggtgattt cgttgaattc 180

gaatccatcc gcgagcattt cgtcgtgaaa tttgagcgcg gtggaaacgg cgccgttgag 240

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aagcttcccg aagacggaga atgcg 325

<210> 4917
<211> 305
<212> DNA
<213> Glycine max

<400> 4917

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actgactcct caagaaaccc atttagaaaa gcattgttca catcaaactg aaataactct 120

cacccatgtg aaagagcaag agtgagaaca atacgaattg tgacaggctt gaccacagga 180

gaaaatgtct catgaaagtc aaaaccccat gatgaaaacc cttagctacc aaccttgctt 240

taaacttgtt gatggaacca tcaacatttt cttttactct aaaaacccac ttacactcaa 300

tggca 305

<210> 4918
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4918

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tattgattgg taaatctgtt ccccaaatcc ctgaaaaatg taaagatcca ggtacattct 120

ccatacctag tattataggg aacaataagt ttgacaatgc catgctagaa ttaggagctt 180

ctgttagtgt tatgcctctg tctattttta attctctatc tcttggccct ttgcagtcaa 240

ctgatgttgg aattcattta gctaatagaa gtgttgctta tcctgctagt ttcatagagg 300

atgtcttagt tagagttggt gaactgattt ttcccgttga ttnttatatt atgaatatgg 360

aggagggatt ttcttaagga tcagttccca tcattctagg cagaccttta tgaaaactgc 420

tagaacttag atagatgtat atgtaggcac actatctatg gagttttgtg atat 474

<210> 4919
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4919

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ctttccgaac aagaaattcc taataccaac aacacaaatt ttatgagttg gaaaccttga 180

ttttttgtta gcatgtctcc aacaaaaaac aattagaaaa gaattgcatt ttagacctta 240

gaaagcatta tcctcgctcc aacatgcttg ttatcccatc caaaggtatt gtcagaatct 300

gcagccccca gtgtctgtcc attaatctta atgtagttta ggtacattgg 350

<210> 4920
<211> 587
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4920

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cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120

gaagatttcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgcct gcactgcctt 240

gggagagagg ataacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300

atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360

tgaactcatt ggttctcttc aaacctttga gctaagactc tcggataggg ctgaaaagaa 420

gagcaagaat ccggctttcg tgttcaatga tgaaggagaa aaaaatgaag ttgacctgga 480

tactgatgaa ggtctgacaa atgcaggtgt gcttctttgg nagcaggtca acaaagtgct 540

aaacagaatg gacaagaggc agaaaccaca tgtccagaac atccctt 587

<210> 4921
<211> 534
<212> DNA
<213> Glycine max

<400> 4921

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atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagtcccgt aatatatcga gacgctctaa attgaatgtt 180

gaacctctga gctaattcaa acgacactaa ctttatactc ggatgtctga ttgagtgccg 240

taacatatcg agacgctcga aattgaatgt tgaacctcta agccaattaa aacaacaata 300

acgttttact cggatgtctg attgagtccc gtcatatatc gagacgctcg aaattgaatg 360

ttgaagctct gagccaattc aaacgacaat aacttttac tcggatgtct gattgagtcc 420

cataatatat cgagacgctc gaaatgaatg ttgaagctct gagccaattc aaacgacaat 480

aacttttac tcggatgtct gattgagtcc ccgtatatat cgagaccctc gaaa 534

<210> 4922
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4922

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tttttactcg gatgtccgaa tgaatccagt aatatatcga gaactagaaa ttgaaaacag 180

aagctcgtta caattgcaaa ccacaattag ttntaactcg gatgtccgaa taagtctcgt 240

aatatatcga gacgcttgaa attgaaaaca gaagctttga gcaaattcaa atgacaatta 300

ctttttactc ggatgttcga atgaatcccg taatata 337

<210> 4923
<211> 311
<212> DNA
<213> Glycine max

<400> 4923

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atctcctcct ctaaatcacc attaagaaag attgttttca catccatttg tttcaactga 120

aggtcaaaat gagaaactaa tgcccacata atacaaagag aatattactt atatacaaga 180

gaaaaagtct taatgaaatc gattccttct ttggagtaaa tcccttagca acgagtcttg 240

ccttgtatct ctcaatgatg cctaatgaat ccttttttggt cttaaagacc catttaatac 300

caatatactt t 311

<210> 4924
<211> 539
<212> DNA
<213> Glycine max

<400> 4924

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cgggcgagga aggggagggc gcatatgcag gtctggtacg tgccgccgca cgcgcggagg 120

ttgtcagcga tccagtcgtg catgcggttg gcgtgttgga tgaggccagg gaggctgccc 180

aataggggcc agacacgtgg acctttgagg gagcgagtga ccaaggtgaa ccatattaaa 240

taggccgcta ttgctgatag gatcattaaa gccgttgctg cgtccatgtg agtgctgggc 300

ccaactccca aaacaaaaaa ttaaaccttt attgcttgca ccttccctca ccggaggagc 360

tagaggctgc tattaccatc accacgcaaa ttcaattgga tccattgcag cttaaatgag 420

gaaagtaaac cctagctgtg tagtattcaa gtgggggcta aaacgggagt gatagatgaa 480

attattgtgt tcaactaaaa aatgtgcaag tggttttgat tggtgaataa ttgagatct 539

<210> 4925
<211> 537
<212> DNA
<213> Glycine max

<400> 4925

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catttgcttc caaagtttca tggccttgca ggtgaagacc cgcataaaca tttgaaagaa 120

tttcacattg tctgctccac catgaaaccc ccagatgtct aagaggatca catatttctg 180

aaggcttttc ctcattcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240

aggtccatca cgagctggga tgaccttaag agagtatttt tagaaaaatt tttccctgct 300

tccaggacca caaccatcaa gaaagatatc taaggtatta gacaactcag tggagagagc 360

ctgtatgagt acttggagcg atttaagaaa ctatgtgcca gttgccctca ccatcagatt 420

tcggagcaac ttcttctcca atatttttat gaaggactcc agtatatgga gagaagtatg 480

atagatgctg ccagtggtgg agccccttga gacatgactc ctgtgaagcc aggaatt 537

<210> 4926
<211> 543
<212> DNA
<213> Glycine max

<400> 4926

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tctccttttg aagttgttta tggttttaac ccactaactc ttcttgatct tttgcctatg 120

cctaatgttt ctgtttttaa gcataaagaa ggtcaagcaa aggtggacta tgtgaagaag 180

cttcatgaga gggtcaaaga tcaaattgag aggaaaaata aaagctatgc ttaacaagcc 240

aacaaaggga gaaagaaggt tgtcttctaa cccggagatt gggtttgggt gcacatgaga 300

aaagaaaggt ttccggaaca aaggaaatca aagcttcaac caaagggaga tggaccattt 360

caagtgcttg aaagaataat gacaatgcta tcaagttgag ctacccagtg agtataatgt 420

tagtttcacc ttcaatgtct ctgacttatc tctttatgat gcagatggag aattccgatt 480

tgaggataaa tccttctcaa gagggagaga atgatgagga catgaccaag agcaagggcc 540

aag 543

<210> 4927
<211> 409
<212> DNA
<213> Glycine max

<400> 4927

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atttctcgag agcaattgtt gcccaatttc gtgcgtctgg atatattatt cccctgaatc 120

ggacatctga gtgaaaagtt atgaccattt gaatttctcg agagcttccg tttttcaatt 180

tcgagcatct agatatatta tttcccggaa tctgacatcc gtgtgaaaag ttatgaccat 240

ttaaatttct tgagagcttc cattgttcaa tgtcaagcgt cctgatatgt tatgcgccta 300

aatcggacat ccgagtgaaa agtcaggaca atttgaattt ctagagagct tttgttgttt 360

aatttcgacc gtgtcgatat attatgggcc ggaatcgaat acctgagta 409

<210> 4928
<211> 488
<212> DNA
<213> Glycine max

<400> 4928

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atgattaata gcatgttttc gttatatttc ttttaataaa aagagatttt aagtgaatta 120

gtaattagtg aggatagaag taaaaagaaa aaaagaaaaa ggaaaaaagc cagtaatatg 180

taagttataa gctagttgaa gtaataagcc aaaaattaca taaataaaat agcataatgt 240

atatctaata aatttatttt gattaaaata actagtcaaa ctaacttata ctagagtgtt 300

gtgttaaaca caattggaaa aaattgttga cggtaattat tatttaaata cgtttatgat 360

ttatattatt atcaaaaatt ataatcttaa tagaaggaaa aaaaaaacac cttaatggtt 420

ctaaagctat tgaaagcaaa gaaaatattg atgaaaaaaa aaagaagtga agttgaccgg 480

ttcaaaca 488

<210> 4929
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4929

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aacagataca atcctagatg gaggaatcac cctaacctca gatggtccag ccctcagcaa 120

caacaacagc agcctgctcc ttccttccaa aatgctgctg gcccaagcag accatacatt 180

cctccaccaa tccaacaaca gcaacaaccc cagaaacaac caacagttga ggcccctcca 240

caaccttccc tcgaagaact tgtgaggcaa atgactatgc ttaacattca gtttcnnnnn 300

gaaatcagag ccttcattca gagcttaacc aatcagatgg gacaattgga tacccaattg 360

aatcaacaac agtcccagaa ttctga 386

<210> 4930
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4930

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ccaacccagc agccatgtct gattatactt tgagagatgg tttaatgttt ttcaagggca 120

gacttatatt gtctaagagc tccaacttga ttcctacttt gttgattgaa taggaggaca 180

ctccagattt accaagacta acaaacggat ggcagcaacc ttctattgga aaggtatgaa 240

aaagacaata atggaatata tccttcgttg tgatgtgtgc cagtggcata agtatcaggc 300

catgtcacca accgatctgc tgcaatccat tcccatccta gaggtggttt ggacagatat 360

ctctatggat tttattacag gattgcccct tttacagcca aaacagttgc agaaaagttc 420

atcagagatg tggccaaact gcacgtgtnt cccaaattct attattgatc gagaaccccc 480

tctttctgag taaattttgg ggaaactttt 510

<210> 4931
<211> 605
<212> DNA
<213> Glycine max

<400> 4931

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ttgtaaaata gaaaacaaaa ggtgtgtgag gatatgagtt cctttacaca tctttactct 120

atgaatgtca catttcattt catgatattt taaaagtgta gaaagataat gagtcatcct 180

acctaagttc tctcctgaga aaaatttgtc caattgagta tccattaata atcatagcat 240

attggacaat ctgaagacat atattaatcc aactaagtca tttttcatga aagcccattt 300

ttttattact accaaatagc cccaattaac tctatcaaaa gctttgctaa tgtcaatttc 360

aaagtaactt gcccaatttt tcctttgtac ttacacctca tgtgatgaat aatttcataa 420

gctaaaagaa cattgtaaag aatggatcga tcctctacaa aacattattg ctcttcataa 480

ttatgcaatt tggaaagaga agttaaagac acttggctaa aactttggac acatgatttt 540

tgttaggaca ttgcacggag agattgacca aagtctttta tacaaacagg gtttttaatt 600

ttgga 605

<210> 4932
<211> 512
<212> DNA
<213> Glycine max

<400> 4932

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tatcatgaca tcagagttcc actcttgaag aaggaagttg aatatactga aaatttgatg 120

aaaggccata aggagcaatg ggtcaagtat ggatgtacta ttatgtccga tgcatggact 180

gatcggaaac aaagatgcat cattaatttt ttgattaact ctcaagctgg tacgatgttt 240

ttgaagactg ttgatggctc tgattttgta aagacaggtg aaaagctttt tgagttgctt 300

gatgccattg tggaggaagt tggagaagag aatgttgttc aagttgtaac cgataatggg 360

agcaactatg ttttatcggg taagttgttg gacgagaaaa ggaaacatat ttattggact 420

ccttgagcag ctcattgtat tgatttgatg cttgaagata ttgggaagct tcccttgatg 480

aggaagacaa ttagaacgaa ttaatctagt tg 512

<210> 4933
<211> 574
<212> DNA
<213> Glycine max

<400> 4933

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ctatagaagc ttgctaaccc atggaagctc ttaatatctc ccacactttt cgggatgggc 180

cattcttgga tggccttgat tttctcaggg tccacttgaa ccccatttct accaactaca 240

aaccctaaga aaactatatt atctacacaa aaagtacact tctctatatt tgaatagagg 300

gtatttttcc taaggactga aagaacttgc ctgagatgtc ctaagtgatc atctaggctc 360

ctactataca ctaaaatatc atcaaaataa acaactacaa atctacctat gaaatccctt 420

aagacatgat gcataagcct tgtcgcaacc taaccttcgg cgggagggca acgcgtgact 480

cgcggatgcg tgttccaaga aaggaatacg tgcggagtcg ccaccaacgt ttattcgagg 540

agaacgttcg gaaaacccga aaagacgtga tcta 574

<210> 4934
<211> 644
<212> DNA
<213> Glycine max

<400> 4934

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acgagtataa aaatatatct acccaaatga agctcatttt atattaataa tattattttt 120

ttaaccaaaa attaaaatta ttatcattaa ttattaaatc ttaattttga atttcaagta 180

aggattaggt ttgctttatt aattaaaata ttatttttg agattataat agttcaacat 240

tatgattaat taattaaatc tttttgtatc ccgtagtttg atgtattttc tttatacatt 300

tgacatttta aataagtcat tcatccttat ttgaaataca cactaatagc attaatttca 360

ataactgaaa ttaatctaac agcccaaccg atgaattaat atggaaacaa tattttaaaa 420

ttttacttta aactaattta ttcactaaaa tatatgtata atttattctt acttactgcc 480

caattcaaat tgaacaactt acacaaatgt taagaaaaat gttaaatcca aaagtcattg 540

acttccaatc aactattgtt tttaacaata gaataaaatg actctaaata tttttgaaaa 600

cctcggaaaa tatcaaattt tatctatgaa cccctataaa aaaa 644

<210> 4935
<211> 493
<212> DNA
<213> Glycine max

<400> 4935

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ccactccaaa aacctattga ggcaccatgc attatcattg cctcctcaat gaccctagca 120

aagatatgtg caagaggaag gtatgatagg tatacatctt tttcattcaa ctgcaagcag 180

gaaaaaggag ggtaagtcaa agagaggata gcaaaatatt cattatccta aaactgaaaa 240

catttctaga gactagagct ctcaaaatac caacactagc ttacttttc attacaactc 300

ttcagcaatt gctgaatccc agctaagagt gtaataatgc tttcgttggt tatcaacact 360

cccttgggat cacctgtagt tccactcgta tacattattg tacacacatc acttttcttt 420

ttaacaggaa gatcaaaact ctgattatga ccctgctcta gacataaaaa actggaatga 480

gtattgagaa atg 493

<210> 4936
<211> 337
<212> DNA
<213> Glycine max

<400> 4936

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tggcccgtct ttttctgctt tgttgtttcc ttttgaattt agcagcacag aggcatcaca 120

ccccttcaag agtataggaa aaaagaaaac aatatgattt gatttcatga tgcatcaaat 180

gaggcggaag cagtcaagag gaaaggaggg aggaggggtc aaaatagcat tacccgaacg 240

aaacaatcat ggaagtgcat tcgcagaatt gctgctggaa cagttttgtc cctagcagtg 300

gcatccttta ctgccttggc aacaatgaac tccacat 337

<210> 4937
<211> 412
<212> DNA
<213> Glycine max

<400> 4937

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atctcttctt caatgtatcc attgagaaaa gcactcttca gatccatttg gtataacttg 120

atatccataa tccatgcaaa tgcaagtagc aatctaatgg cttccaacct tgcaataggg 180

acataggttt catcatagtc aatgccttcc tcttggttgt atccttttgc aaacaatcta 240

gtcttgttcc ttaatatgat gcgtgattcg tcagggttat ttcgaaacac tcatttggtt 300

ttgattgact tatgagaggc aggtttagtt ccacacttca tccgtttaaa ctgattagtt 360

cttcatgcat agccagcaac caatgctcat cgtacaaagc ttcatctatg tt 412

<210> 4938
<211> 597
<212> DNA
<213> Glycine max

<400> 4938

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aagtctagat aggtggttag ccactaaatt ttcacttccc ttcttatcct ttatttcttg 120

atcaaattcc tacaacataa gtatccacct aataagtatt tgtttggaat taggcttagt 180

taagaggtac ttaatgttag acaagtggcc tcagatatct taagaagggg gggttgaatt 240

aagatattcc aaacttttct cctaattaaa aatctatctt acttttttact taagttatga 300

attcccttaa tgacaatctt cttaaatatt aattcaaatg aagcaacttg aattatgaat 360

ataaagcaat aataaataaa ggagattaag ggaagagaaa atgcaaactc agttttatac 420

tggttcggcc acacccttgt gcctacgtcc agtccccaag caacccgctt gagagttcca 480

ctaacttgta aattcctttt acaagttcta aacacacaaa gacaacccct tccttttgtg 540

tttagagatt ctttacaaca agagactcac agtctcttaa tcccttagag aatgaga 597

<210> 4939
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4939

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ttgtaaaaat gctcatattt ggcattctag atttggtcat atctcagaca aagttttcaa 180

acatttgaat aataaaattg gtctacacct ttctcccaat ttctcttctt ctaattgttt 240

tgtttgccct cttgctaaat ttagaagatt atattttcct aactctaacc atttattaga 300

attatcattt gacttaattc gctgtgatat atagggtccc tatgctcacc ctacctatga 360

gggaaagaga attttcctta cattggttga tgactactca agattcactt gactatttct 420

gcttaagcac aaatctgaag ctttaatcta tgtgcaacaa tttttcacca tggttcagac 480

tcagtttggt gtatctatca natgccttcg gtctgataat gctaaggaac ttg 533

<210> 4940
<211> 552
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4940

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tttatccaaa cgcacccttt gcataaaaac ttttactact ctctagctga tataagtgaa 120

tgtttattgc aggctgtggt aaaaaggttg atgactgatg ttccctttgg tgttttgctc 180

tctggaggtt tggactcttc attggttgca gccgtcacgg ctcgctacct ggcaggcaca 240

aatgctgcca agcaatgggg aaccaaatta cactctttct gtgtaggcct tgaggtatgt 300

aagcgtacat attcttgaat tagcagtgga tgtttttaat ataagaagga agccatgaaa 360

tttgtcttaa tctttaatca tcttatgttg agtagggtgc acctgaccta aaggcagcaa 420

aggaagtagc agactacata ggtactgtac atcatgaant tcactacact gttcaggtat 480

atctaaatga gatagtgttg ttactgctaa gaaattcggg gggtttgatg cctaaaatta 540

taatttgtaa at 552

<210> 4941
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4941

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gagatattat gttcaattga tgtgatgtgt caaaaattaa tattaaaaaa actataaatt 180

taatttaaga ttaacttata ttataataat tttactttca cttcatctag aaaaagaaat 240

actttcaata tattaagatt cacattttaa aatttaaaga aaaattaaaa tgattgatta 300

agaaataata attataaata aaaaataaaa atgaaatacc caatgcaata aaagtcacaa 360

acttaatatg gaagaaaaag attgggctaa ttattggaca gaggaatcaa agtacgcatc 420

agactcaact cccagagtgt tatgaagagt ttttctttta tcgataaata ttacgatatt 480

agtttaattt ggttggtttt attaataaag aatcttnggt ccatcactta atttttata 540

attctaaatt ttttatatg 559

<210> 4942
<211> 556
<212> DNA
<213> Glycine max

<400> 4942

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ctaagatttt gcatacacct ccttcaaagt gaagtgtgta gcctctctcc atcatttggc 120

caatgcttag aagattttct tttaggctgg gaactagtaa gacatcatgg atgagtcgcg 180

taccttttatt tgtctccacc atgacagtgc ctttgccttt tgattcaacc acacttctat 240

ttcccagtcg acctttgact ttgacagact catcaataca tttgaaaata gtctcatcct 300

tggccatgtg attgctacat ccactatcca agtaccagct tcctcccttt tcttttattg 360

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tgcctatttt tgttgcgaca atttttctct acgtgcccga acttctttgc atggttgcat 480

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gcatggagga ttttta 556

<210> 4943
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4943

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cttttaattt aacccaacaa cccaagattt cttttaaaca agaactccta gataattatg 180

caaattaatc ttactaaata gaaataataa ccaataaagg agtttaaggg aagagaaaat 240

gcaaactcag atttatactg gttcggccac acccttgtgc ctacgtccac tccccaagca 300

acccgcttga gagttccact atcgtgtaaa atccctttac aagttttgaa ccacacaagg 360

acaacccttc ctttgtttca gatttcttta caacaagaga ccctcggtct cttaatccct 420

tttgagaaat agaaagaaga gaagac 446

<210> 4944
<211> 393
<212> DNA
<213> Glycine max

<400> 4944

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gcagcaacct ggagcaattg agcagcccga agcttatgtt gcaaatattt tcaatagacc 180

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atacaaccct ggatggagga atcaccctaa tctcagatgg tctagccctc agcaacaaca 300

acaacagcct gctccttcat tccaaaatgt tgctggccca agcagaccat acattcctcc 360

accaatccaa caacagcaac agccccagaa ata 393

<210> 4945
<211> 400
<212> DNA
<213> Glycine max

<400> 4945

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ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120

aagctcaccc ccatgacaaa aaacatgaaa atacaaaaaa aagtccttac tacaaaaact 180

actcaaaatg ccccgaaata caaagctaaa accctatact attagaatgg ccaaaatata 240

aggcccagac gaaggaaata cctattctaa tatttacaaa gataagcggg ctcatactta 300

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tctagcccaa tctacttgga gtcttctacc caatgccctt 400

<210> 4946
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4946

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cgtagataaa caggaccacg acatttgatt tctctgacca gatgcacaat caagtgaatc 360

atgatgtcaa agaaagcagg aggaaaatac atctncaact ggcacagtat aattgcggcc 420

tcattttcca actcataana catgactgga tc 452

<210> 4947
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4947

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tttaattgtt catctttcta tagctcttta tttattttct tgctttattg aaatcatttt 120

caaaaatact tagtcgaata tatctcataa aaaattacat attttatatt caaatctgta 180

ttttcatgaa aaggtgccaa gaattgttat atttcttcaa atctagctgt tattggaaat 240

caacttttag tacattgtct tttcaataaa gattactaca aaatttgaat aacttgattt 300

tttgctgatt tgaataaaaa taatttgctg atttgaataa aaataattca catctttgaa 360

tcttgcgatt ctaaatctta agaactcaag aatac 395

<210> 4948
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4948

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caccttttaac tgatagtttc tcaacactgt cgaaagtaag ccagtgagtg agatcttcgc 120

tgtaatctga taggttttct gatgcttcaa tggttccaga aatctgaaaa acaaaacaat 180

gaaaaatcat cccaaattca tatatacaga tatcgaacaa ttgaagatct cttcaatgtt 240

tataattcaa tttttaaaaa tatttgaact agcaaattta atttgttcca aactataacc 300

tgcacttcga tgttggatct gcaagggcca gacaatctga atggcttgag ta 352

<210> 4949
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4949

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agcgaagcca aatgtgggaa attaatataa aagaagaaat ataagcaaaa agagtcatgg 120

aagtcaagaa ctcaaccact aaattcagat gaattggcag agtaaagcaa aaaaatatta 180

cctgcaagaa tcgacgttct tcaagccact gtttgacagg catcacttta tcattagcat 240

ctttccattc atttgcaacc acaacagcta ctctggttgc tgttaccttg gcacgagcca 300

actccctgtc tagagtctnt ctttcctcct aaagaatgtc aaataaaccg cgcaaaaata 360

aatatgatct taactagagg cagtacaatc aagaataaag caaatgtgag tttgaacatg 420

ctgaagactt ttcacacaat acat 444

<210> 4950
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4950

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tttgttgatg gcttcttctc gttccaagct tcaattggag tcttgtcttt tacagactta 120

gttggacatc tgttgagtat gtaaacaaca ttgtagactg cttcagccca aaatgtgtta 180

ggtagtccct tctccttgag cattcatcta gccatttcca taactgtgcg attctttctc 240

tcggacactt cattttgttg aggagaatat gcgactgtaa gttgtcgctc aatgccttca 300

tcctcacaaa atctttcaaa ctcacgagag atgtactctt tgtcgngatc acttcttagt 360

acttttattc gttttccact ttgatttcaa caagggcctt gaacttttg aatactccag 420

agacttctga ttnttctttt aanaaatata cc 452

<210> 4951
<211> 417
<212> DNA
<213> Glycine max

<400> 4951

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aaagaaacct cagctcctgg atcaccctct gtaccatcat ccaccatagc accatcaaac 120

caggaacaac ctgaattcca tatccaaccc atacaaatga ttcctggtca agctcctgtc 180

cttgagaaac tggttcccaa acgacaacag ggagtgaaga cttctgaaaa ccctagcctt 240

gcaacaagtc ctatggaagt agacacggag atggacaaga aaatccgcag tattgtgagt 300

aacattctga aaaaagcttc tgtccctgat gctgatgaag atgttccaac atctttcacc 360

ccgaatgttt ctgtgcctga tgctgagaaa gaatgttcaa catcttccac tccaaat 417

<210> 4952
<211> 363
<212> DNA
<213> Glycine max

<400> 4952

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tccatgctat atgtagcaaa gtcattgatc cagtcatgtt tgatgagttg gaaaataagg 180

ccacaattat actgtgccaa ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg cggtcctgtt tatctacggc 300

gaatgtaccc gattgagcga tacatgaaga tcttaagagg gtatacacag aatctatatc 360

atc 363

<210> 4953
<211> 369
<212> DNA
<213> Glycine max

<400> 4953

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ttgcccctaa ctaagttgac tcgtaagaat gagaagttat tctggaatga gaagagtgat 120

caaagtttcc aagagttgaa gaggcggttg acgacagctc cagtgttaat tttgcccgac 180

cctaagagaa catatgaagt gtattgcgat gcaagcgggc aaggcttggg gtgtgtgttg 240

atgcatgagg gaagagtact ggcttatgct tcgcgtcaat tacgtgctca tgaatttaac 300

tatccgactc atgactagga actagcggcg gtggtcttag ccttaaagat ttggaggcat 360

tatttgtac 369

<210> 4954
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4954

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ggatggcctt gattttctca ggttccactt ggaacccatt tctaccaact acaaaaccta 120

agaaaactat attatctaca caaaaggtac acttctctat atttgcatag agggtgtttt 180

tcctaaggat tgaaagaact tgcctgagat gtcctaagtg atcatctagg ctcctactgt 240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300

aatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc 360

attcatacaa accaaacttg gtcttgaaag ccgttttcca ctcatcaccc tttttcatcc 420

tgaattggtg ataaccactt 440

<210> 4955
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4955

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ctatacgaga catcttgcca aacaaagtca ggttaacgat aactcgcctg tgatttttct 120

tccatgctat atgtagcaaa gtcattgatc cagtcatgtt tgatgagttg gaaaataagg 180

ccacaattat actgtgccaa ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt 300

gaatgtaccc gattgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360

attcagaagc atctattggt aagaggtaca ttgcaaaaga agccattgaa ttntgttcag 420

aatacttaga g 431

<210> 4956
<211> 365
<212> DNA
<213> Glycine max

<400> 4956

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tgtcaagcaa gatgattttg cttaatgcca aacaagccat actatgtttg ttaagcattt 120

cttggatgga aagatagctt ttttattgtc tatgtagatg atattgtaat tacaagagac 180

gattatgatc aaataaatca tctgaagaat cttctagcca aggaatttga agtcaaggat 240

ctaggccaac acaagtattt tctaaggatg gaaattgctc ggacaaagaa tggtattttt 300

gttcattaaa ggaagtacac tttggattta cttcaagaaa tatggatgct tggatgaaaa 360

gcagc 365

<210> 4957
<211> 449
<212> DNA
<213> Glycine max

<400> 4957

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ttagtgcaaa ccattttgct atgtttcatg tttttctgtt tgtgttgtgg ttttgagttt 120

gaaagttgaa cgattgtgcc tagcttttg aactttaggg gacattgttg ttgttgaatg 180

gcactatatc acatgaatgc attttggttt gcaacctgct gagtttgcaa ggggttgtga 240

agcaaattta ataataaata aaaataaatg ttttctctct ggctctcttt gtatatttat 300

tgaaaaagta tacaatattt atagagtatc aatacttaaa aaaattaagt attataataa 360

aaaaaatatt tacattaagt gacttaaata tatttttaa tccaaagttt tacgatactt 420

aggtagacgt aggcacttac ctttgatat 449

<210> 4958
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4958

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tagttatttt tgtctttgat tgtgtaattc gttgacaaat gtgggatgaa aatacaaaat 120

ttaggattca agagtgtaaa aagtgcgata aaaatatatc tggccgttaa aaaaatagtc 180

tacttaactt ttgtttgtca tagttaataa aataatctac gtggtataga gagatgaatt 240

tctcaatgaa atgattacca acgtggttat atttatattt aattgtcagt ataggagcat 300

atttgtcata taatattttt tttatttttt gtcttctacc ttattggtaa attgtgatta 360

attatcataa tttgaaaaaa aattataatg attgtggcaa aatttttag canactctaa 420

aataaattaa gtttaaaaga aaa 443

<210> 4959
<211> 443
<212> DNA
<213> Glycine max

<400> 4959

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aaagttatga ccattagaat tgctcaagag cttccattgt tcaatttcga gcgtctcgat 120

atatatatac gcctgaatcg gatctctgag tgaaaagtta tgacctttg aattgctcaa 180

gagcttccat tgttcatttt caggcgtctc gatatattat gcgccagaat cggacatccg 240

atttaaaagt tatgaccatt tgaatttctt gagagcttcc gttgttcaat tttgagcgtc 300

tcgatatatt atgcgcctga atcggacctc cgagtgaaaa ggtatgacca tttgaattac 360

taaggagctt tcattgttca ctttcgagcg tctcgatata ttatgcgcct gaatcggacg 420

tccgagtgaa aagttatgac cct 443

<210> 4960
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4960

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agagagcaag atatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcacaaag 360

caatccaagt gtgagcaaca ataaaaagga agggagtg 398

<210> 4961

<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4961

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cttagacact tcctgagcag gtacgagcag ttatgcaagt gggatcagca actttcatta 120

tcagagtaat caagcacagc ggaatctgta gtttagacaa gttgcaagtc gtttccagga 180

tgtcaagaca tctcacatga catctgcttt ctgcttctgc tccccctgtt tccatgctta 240

ctgcagcatc ttctaacagc tactagtctt ctccaggatg tcaagacatc tcctgtgaca 300

tcagctatct gctccccctg tctccatgct cttactgcag catcttctag tagcttccat 360

cagtcatcat cagcagcagc agtctccccc tcagaatcgt atacatacaa ctccncctca 420

aaatcatgaa tcatg 435

<210> 4962
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4962

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gagccctaca tccaacatga aggtatttta accccaaaca cgaatcgagg tttagggtct 120

tgagaagagg gaaagatgat tccgagaaca aatcaggaag agaaggttgg ttgttcaaaa 180

tgactaggga aagagatagg gtttgtaggg attgaaagcc atgtctcata accgatgaag 240

gaggcaaacg aaaccctgat tttagtttca aaaccctaag agtttcactt ccaataacac 300

acctaggaaa gttgaagtaa tcatctgtac acactgtgga agctccaata tcaagctctc 360

taacgttgtg cctaatggcc ctacggatca aactattcag ccgcgaaaaa ctcaaac 417

<210> 4963
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4963

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ttttttcatg caggattatc aaactataac atcaccaccc gtctatatta gtccacttga 120

cttaggtccc aagtatgctg acaaattggg agcaggattt caggagtatc gaaagatata 180

cggtgaaaat tattgtttag ggcaactgat tttttggcat aatcagagta acgcggagcc 240

agattgcacc ctggctagaa taagcagggg ttgcttgtca ttaccagaca tcagttcctt 300

ttatgccaaa gctcagaagc cttcacgaca tcgtgtttat ggtccaagga ctgtcagatc 360

tatgctggca aggatggata gttattctgt atttatgaag ctctcattcc taactttctt 420

ttttgtggtg gggggg 436

<210> 4964
<211> 297
<212> DNA
<213> Glycine max

<400> 4964

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ttgtatgagc atgatatctt cagaattacc tgagtcgact tgtgtctaga gatatcagac 120

acctttgaga gtttcaagga gttgagtcta agactatgta tatacctaga gtggggaatg 180

aagagaatca tgagtgacca tggcactgta tgctgcacat ctgaaggcat cactcatgag 240

ttctgtgcag ccattacacc acatcggaat ggcatagatg agaggataga caggact 297

<210> 4965
<211> 330
<212> DNA
<213> Glycine max

<400> 4965

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gaatttctgg agagcttccg ttgtgcaatt tcgagcgtct cgatatatta tgcacctgaa 120

tcagacttcc gtttgaaaag ttatgaccat ttgaatttat ggagagcttt cgttgtgcaa 180

ttccgagcgt cttgatatat tatgcgcctg aattggactt ccgtgtgata tgttatgacc 240

atttgaattt ctcgacagct tccattgcta atttcgagcg tctcgatata ttatgcgcct 300

gaatcggact ttcgtgtcat aagttatgac 330

<210> 4966
<211> 446
<212> DNA
<213> Glycine max

<400> 4966

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ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120

aggcaataga tctaaatatc tgggaagcca ttgaaatagg gccttatata cccaccacag 180

tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaaccta 240

tagatagatg gtctgaagag gatagaaaac gagtacaata caacctaaaa gccaaaaaca 300

taataacatc tgccctaaga atggatgaat atttcagagt ttcaaattgc aagagtgcta 360

atgaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgtt aaaagatcta 420

tgataaatgc actaactcat gagtat 446

<210> 4967
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4967

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ttaaatccat ccaatgcagc tataaacggt tttcccattt tatctgctta ttcagcctct 120

aaaggtatgc atttctagct agtttttttt tcatatccca gtatcccaac attgtaagta 180

aatataacct ttgaatttga atgacactac taaaaaaccc ttttttttacg tttctaggga 240

actgtcttan aatgtgactc agtggcattt gtgtaattaa tgcaaatata actacgatga 300

tctctcacac ccgtctttgt aggtaggacg caatgaaact ttttaaattg aagacttcat 360

taaagatggg atatagaagc aaatcgtcat tgtaattaag aaaataatta aaaataag 418

<210> 4968
<211> 404
<212> DNA
<213> Glycine max

<400> 4968

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gaagttcttc acttaggttc ttgcaagagt tatgactact attggaggca tgtttttctc 120

ttttcatttc tttcattatt tttcttcttt cttcctctct tattttcttt ctttcatctt 180

gacttatttc ttctactttt gtttttcatt tttcttttct ctcttgtttt tcttttcata 240

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cgccattaac actagatgaa tgatgactca tgttggctcc taagttgttg ttctttcttg 360

ttggaggttt gaaaacataa ggaaaaagaa actatggttg aaac 404

<210> 4969
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4969

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gaagctctcg agaaattcaa atggtcataa cttttaactc ggaggtccga ttcaggcgca 120

taatatatcg agacgctcga aattgaacaa cggaagctct cgagaaattc aaatggtcat 180

aacttttcac acggaggtct gattcaggcg cataatatat cgagaccctc aaaattgaac 240

aacggaagct ctcgagaaat accaatggtc ataacttttc actgggatgt ccgattcatg 300

cgcataatac attgagacgc tccanatgaa caacggaagc tct 343

<210> 4970
<211> 448
<212> DNA
<213> Glycine max

<400> 4970

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aatggtcatt gaccagtccc ttttccatga cttaaccaaa ttacccagtg acggtgtacc 120

atttgaaggt tcactgaatg acgactggaa atttgatttc tctgcccatg atgcccgcca 180

gttggtttgc accaacaatg cggatatgac cggacgtctt cttgccgggt cattggcttt 240

tgaaagccgc atccttcact atttaattgt gcgtattttg cttccacggt cttccaacct 300

tgccctggtt tctgaggaag atctaattat catgtgggcc tttcatacag ggcgtcaact 360

tgactgggca cacttagtca aatatcgcat gcataaggca ttgcgattaa atgctccact 420

accatatcca cagcttgtca ctctcttt 448

<210> 4971
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4971

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ttcctcttcc ccatatcaac tatgcagctt gcagtcaaca tgaatggcct tcccaatatt 120

acagggatgt cagtatcttc agagatatcc attaccacaa agtctgtcag gaagataaaa 180

tgtttttctc tgaccaacac atcttcaatt actccatatg gcctggtaat ggaacagtca 240

gctaattgta aagtcattcg agtgggcatt atttccaact cccccaatct tctgcacatg 300

gagagtggca tcaaattgac actggctccc aggtcaataa gagcttttcc cacattgact 360

tctccaattg aataaggaat agttacactc ccaggatctt tatgcttggg tggaaggatc 420

ttttggatca tagcact 437

<210> 4972
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4972

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attaagaact agcttgtttc ttcctctatt gcttttagtt gaatacacct ttgtttggtt 120

ctctatttgg ntcttaaccc tctcatgcaa cttctttaca aactctgacc tagattcccc 180

ttctttatgt ataaaagaag tgtctagcgg gaggggaata aggtctaaca gtgttaggcg 240

attgaaccca tatacaacct caaaagggga ctgcttggtg gttctatcaa ccccccctatt 300

gtatgaaaat tctacatgag gaagatactc atcccatgac ttatggttgc ctttcagaag 360

agcccttaga agggtggata aagacctatt cactacctat gtttgcccat cagtttgtgg 420

atgacaagtg gtag 434

<210> 4973
<211> 299
<212> DNA
<213> Glycine max

<400> 4973

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gagactgaag cttctgcttt cagaaatgca gatatttgtg acaataaact tgtcgagggg 120

aaaagttgtt atggaataac ttttgggagc caaaaacatc ttccttctcg ggtgatgaaa 180

aatgttgttc aagtggagca cgatccacac ggaaaggaaa agtattgagg ttttgaaaca 240

cgcattccat tatattagat aaaagagtat gaagaacgtc atggaaatat gccatgtaa 299

<210> 4974
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4974

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ataaatggca gcggaatgga gaatgaagag agagaggaga cgccacttca aggagaagat 120

gagtctagaa gaagctcacc accatacgag gccatggata agagcttgga ggaagaagga 180

gatgaatgaa gggagaggga gagaagagca cgaaattttg tgctcaaaag gagctctgaa 240

atctgaagtt aatattcaaa tgatcaaagt tgaaaaaaat gcacacacat gacctctatt 300

tatagcctaa ctgtcacaca aaattggagg gaaattcaca tttcacttga atttgatatt 360

gaatttgtgg agccagactt tggagccaaa atttcacgta atatgacta 409

<210> 4975
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4975

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ttcatacatc cgagtaaaaa tttattgtcg tttggattgg ctcagagatt caacattcaa 120

tttcgagcgt ctccatatat tacgggactc attcagacat ccgagtaaaa agttattgta 180

gtttgaatta gcttagagct tcaacaatca atttcgagcg tctcgttata tcacgagact 240

caatcagaca tccgagtaaa aagttattgt tgtttgaatt agctcagagc ttcaacattc 300

aattttgagc gtctcgatgt atgacgagac tcaatcagac atccgagtaa aaagttattg 360

tcctttgaat tggctcacag cttcaacatt caattttgag cgtctcgata tatgacggga 420

ctcaatcaga catccgagta taaagttatt 450

<210> 4976
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4976

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tatatcgaga cgctcgaaat tgaatgttga atctctgagc caatccaaac gacaataact 120

ttttactcgg atgtctgatt gtgtctcgta atataacgag actctcaaaa ttgaatgttg 180

aagctctgag ctaattcaaa cgacaataac ttttaactcg gatgtctgat tgagtcctgt 240

catacatcga gacgctcgaa attgaatgtt gaagctctga gccaattcaa acgacaataa 300

ctttntactt ggatgtctga ttgactctcg tcacatatcg agacgctcga aattgaatgt 360

tgaagctctg agccaattca aacgacaata acttttact cggatgtctg attgagtcct 420

gtcatata 428

<210> 4977
<211> 447
<212> DNA
<213> Glycine max

<400> 4977

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ttagcccatc cacatgtatg catcggataa atttagagga tggggctaaa ccagtaagac 120

agccatagag aagactcaac ccggtgattc ttgatgttgt gaagaaggag gtaaccaaac 180

ttttgcaagc tggaatcatc tatcctatct ccgacaacca atgggtgagt cccgtccagg 240

tagtcccgaa gaaaaccggc ctcaccgtga taaaaaaatg agaaggagga gttgattcct 300

actcgggtgc agaacagttg gagagtctgc atcgactata ggaggctgaa ccaggttacc 360

aaaaaggacc attttcccct gccattcatt gaccagatgc ttgaacgcct ggcaggtaaa 420

tctcactact gttaccttga tggtttt 447

<210> 4978
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4978

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cgtcattgag gtgccacttg agctgccagg tctctccacc tttgggcgta ttctttgaaa 120

gatctgtgcc ccttttttgca catgttctgt tgttgcatcc tatccggaac catatcaaaa 180

ttgtactgat actgcctaat gaaggcaaac attaggtcct tccaagagtg gactcgagaa 240

ggttccaggt tggtgtacca ggtaacagct accccagtaa gattttcttg gaaggaatgt 300

atcagcaatt cctcattttt tgcgtatgcc cccatcttcc gataatacat ctttagatgg 360

ttcttggngc aagtagtccc cttgtacttg tcaaagtcag ctccttgact tgggagggga 420

tgatattggg tctaggacaa 440

<210> 4979
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4979

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tcctattcag gcgcataata taccgagacg ctcaaaattg aaaacggaag ctctcgagaa 120

attcaaatgg tcataactta tcacacggaa ggccgactcc ggcggatagt atatcgagaa 180

ggtcggaatt gaaaaccgaa agctctcgag aaattcaaat ggtcataact taccaaacga 240

aagtccgatt caggcgcata atatatcgag aagcttgaaa ttgatcaacg gaagcactcg 300

agaaattcaa atggtcataa cttatcacac ggaagtccga ttcaggcgca taatatatcg 360

agacgctcga aattgaacaa cgaatgctct cgagaaaata aagtggtcat aatttgtcac 420

acggaaagtc gattcatgcg catactata 449

<210> 4980
<211> 404
<212> DNA
<213> Glycine max

<400> 4980

tcacagtctg agtcatgaat aaggggtcat ttaatttttt tattggataa gttattaagg 60

ttttttttt actcaaatgc ataggagtag taagttaatt aagttgataa tcacgaaaag 120

agacataccg acagtggcag ctctataagt gttcgttcca tctatgaagt ttttgttacc 180

agatattcgt gtctttttcc ccccttcacc aataaacacc acatgggtca tttatttgt 240

aacttcaaca tactcttgga aaacgccttc cttgatgtag atcacaaatg gctttctgtg 300

tttctacggc acttgcttca atgcctcatt gatgcttttg aaatctccac taccatctat 360

ggctcagtaa cattacgctt gcggtttaat ggacttgcat tttc 404

<210> 4981
<211> 360
<212> DNA
<213> Glycine max

<400> 4981

agcttttaat ggaagtcagg agaatgaaag tgcgctgcaa ccattagctg gaaacgaagt 60

tcatgattgg gtgatgacct aaaagaagac accatctgac acaaacatat ggaagaaaag 120

ctcaatattc tttgatcttc catactggtc tgatctacat gtgcatctag atgttatgca 180

tatcgagaaa aatgtgtgtg atagtttaat tggtaccctt cttaacatta aaggcaagac 240

aaatgatggt ttgaaatgtc atcaagacct ggttgacatg agaatacaag agcagttgca 300

tccgatatca catgatcgtt aaacgtatct tcccccagca tgccacacaa tgtcagcaac 360

<210> 4982
<211> 413
<212> DNA
<213> Glycine max

<400> 4982

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aaagatatga ccatttgaat ttctcgagac tttccgatgt ttaatttcga gcgtatcgat 120

atattataag ccagaatcgg acattcgtgt gaaaaggtac gaccatttga atttctcaaa 180

agcttctatt ggtgaatttc cagcctctca acatcttatg cgcacgaatc agacatccgt 240

gtgaaaaggt atgaccattt gtatttctcg agagtctccg atgtttaatt tccagcgtat 300

cgaaatctta tgagcctgaa tcggacctcc gagtgaaaag gaatgaccat tcgaatttct 360

caagagcttc cgttgttcaa ttgcaagcct ctcacatact atgcgcccga atc 413

<210> 4983
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4983

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ggcataaatt ttcacacgga tgtccgattc gggcgcataa tatgtcaaga gtctcgaaat 120

tgaacaacgg aagctcttga gaaattcaaa tggttataaa atttcacacg gatgaccgat 180

tcaggcaaat cacatatcga gacgatcaga attgaacaac ggaagctctt gagaaattca 240

aatggtcata acatttatct cgaatgtcca atttaggcgc atcacatata gtgatattcg 300

aaattgaaca acagaagctc tcgngaaatt caaatggtca taacttttca cactgaggtc 360

cgattcacgg ttataatata tcgatacgct cgaaattaaa catcggaaac tc 412

<210> 4984
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4984

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gatatgttgg atgaattgca tggagcctgt gttttctcta aaattgattt gaaaggtggg 120

taccatcaaa ttaggattag agaggggat gaatgaaaaa caactttcaa aactaagtat 180

gggctgtatg aatcgcttgt tatgcccttt gtgctaacca atgctcctaa cactttcata 240

agattaatga accatgtgtt aagggaattt ctaggaaaat ttgttgtggt tattttgatg 300

atatcttgat ttacagcaaa ttccatgatg aacatcttgt gcatctgaga agagttttag 360

aggcctttan gcgtgagagc ttgtatgcta acatggataa at 402

<210> 4985
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4985

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tattaagaac tagctccttt cttcctctat tgcctttagt tgcatacacc tttgtttggt 120

tctttatttg gttcccaacc ctctcatgaa acttctttac aaactctgac ctagattctc 180

cttctttatg tataaaagaa gtgtcaagta ggagggtaat taggtctaat ggtgttagag 240

gattgaaccc ataaacaacc tcaaaagggg attgcttggt ggttctatgg acccccctat 300

tgtaggcaaa ttctacatga ggaagatact cattccatga cttatnggtg cttttcagaa 360

gagcccttat aagggtgtat agagactatt cactaccttt at 402

<210> 4986
<211> 349
<212> DNA
<213> Glycine max

<400> 4986

gtgcctgtat attgatgcac gctgaatcag agatccgagt gacgagtgat gaccattcga 60

atttgtcgag agctgtctat gtttaatgat cagcgtctcg atatattatt cgcctgaatc 120

gaagctaagg gtgaaaagct atgaccattc gaatttctct agagcatccg gtgttcattt 180

tctagcgact atatatgtga ggcacctgaa tcagacctgc gtgtgaaaag gtatgaccat 240

tagaattact cgagagctga cgttgatgaa tttgcagcgt ctacacatgt tatgctccgt 300

aatctgacat ccttgggaaa aggtatgagt attcgaattt atgcgagag 349

<210> 4987
<211> 423

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4987

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tatgaatata ttataagcct gaatcggacc tcagtgtgaa aagttatgac catttgaatt 120

tctcgagagc ttccgttgtt caatttcgag cgtctctgta tgggatgctc ccgaatcgga 180

catccgagtg aaaagatttg accatttgaa tttctcgaga gctttcgttg ttcattttcg 240

agcgcctcta tatgtgatgc gcctgaatcg gacctcagtg tgaaaagcta ttactgtttg 300

aatttctcga gggctctcga tgtttaattt cgagcgtatc aatatattat aagcctgaat 360

cggacctcaa cgtgaaaggt tatgaccatt tgaatttctc aagaacttcc ggtgttcaat 420

ttc 423

<210> 4988
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4988

agcttcctcc cttcatcaaa ccatttatat atcaaaggac cacaaattct ataaaaaaaa 60

aatggagatt tatacaccgg actcatgcta ctaataacat caatcatagg ttgataatat 120

gtcgagttaa ttgcattaaa tggcactata gcatctatca tccattttgc aatggctttg 180

tcacactttt ctacaatttt cttattttgc aagacactct tcaagctagg ttgagcttta 240

ggagttgttc taggcatgaa atagtcatct acatgaatag tgttctttcc tttntgagac 300

ttggaagaaa caggtgaatt tggagttctt cttaattcct caactattct caca 354

<210> 4989
<211> 323
<212> DNA
<213> Glycine max

<400> 4989

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gcaagggttt gtggattgtg ctcctctgct gaccaccata caaacctttg ccctgccatg 120

cgagaatcta taacaattcg accatccctg tagctgatgc accaaatata tacaatatac 180

ctcctcaacc taagcagcaa aatcaaccac agcagagcaa ttatgacctt ttcagcaaca 240

gatacaaccc tgcatggagg aatcacccta accttaaatg gtccaggcct cagcaacaac 300

aacaacagcc tgctccttcc ttc 323

<210> 4990
<211> 452
<212> DNA
<213> Glycine max

<400> 4990

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agtttcagag gatagaatga cactggccgt ttacctaaag ttcaatatgt aacacactaa 120

acgactcagt tcaccagata tatacaagtt tatagcttta ggaactcaaa cctacacaac 180

actaaacacg atagctcatt caacttccaa catgctgtat atgattcaca agatggattc 240

cttatctcac tgataaacat cttacggtct tcttccagag acattccttt cattgttatt 300

tataagattc aaatttaaaa tgatatgttt taataacact caatctataa tgttccttat 360

ataaattatg tttacaccag agatatttct ctctaaaaaa ataaatataa tgtattaata 420

aactattaga agagtagaaa gaagcactaa tg 452

<210> 4991
<211> 386
<212> DNA
<213> Glycine max

<400> 4991

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tttctcgaga gctctctatg tttaattttg agcgtctcga tatattatac gcctgaatcg 120

aacctcagtg tgaaaagtta tgaccatttg aatttcttta gagcatccgg tgttcatttt 180

cgagcgtctc tatatgtgat gcaccttaat cggacctccg tgtgaaaagt tatgaccatt 240

tgaatttctc gagagcttcc gttgttcaat ttggagcgtc tcgacatatt atgcgcccga 300

atcggacatc catgggaaaa gctatgacta tttgaatttc tggagagctt ccggtgttca 360

atttcgagcg tctgtacatg ttatgc 386

<210> 4992
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4992

agcttcttag ttncagatga tgcatatggg tttgtagcta cctcatgcac ttctctaatg 60

actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120

tttctggctt tagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180

cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240

tgatggtggg ggcaactggc acatagtttc ttaaatctct cccagtactc atacaggctc 300

tctccactga attgtctaat acctgagata tccttcctga tggatgtggt cctggaagca 360

gggaaaaaat nttctaagaa tactctctta aggtcatccc agctcgtgat ggaccttgga 420

gcaaggtaat ac 432

<210> 4993
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4993

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acaagagttt cctcctacgc acgcacaaga actctgtcgt tgtcgctgat gtatggcctt 120

ccatcttcac cttcgacgac tacttgctgc tctctcgttg cttcaggtga attcttttt 180

cgagctggtg ttcattgcta tttttttgt tcgttatgat tctttttga tttctatatt 240

aaattgttgg cgagttcatt ttgagtgatt ttgntgactt gatacaaaag atattagttc 300

ta 302

<210> 4994
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 4994

tccttaagaa gattccttaa gaagctagaa gctanctaca tatactcttt taatagctaa 60

gctcacctcc ttgagatgag aagctagagc ttagctacac acccccctata atagctaagc 120

tcacacccat gacaaataca tggaaataac taataaaagg ccttattaca aagacaactc 180

aaaatgcccc gaaatacaag gctaaaaccc tatactactt gaatggccaa aatacaaggc 240

ctggacgaag gaataaccta ttctaatatt tacagagatt agcgggctca tacttagccc 300

atgggctcaa aatctaccct aaggctcatg agaaccctag ggcgctttgt tggatctcta 360

gcccaatct 369

<210> 4995
<211> 288
<212> DNA
<213> Glycine max

<400> 4995

gcattggatc aaagacctca acaagattat gctagagatg caggacaagg ccctaaggct 60

ctcatgatcc gtagggtaca ttatgagtcc atggactaag tacgagtcca cttatccttg 120

gacaactgag aataagattt cataactgtt ggacctcgca tttacggctc catagtataa 180

agagggcacc ctagtaatgc aggtatttta gcccttatat ttgagaacac agagactaat 240

ttttgtatta cgggtagctt tgtaatttca catacattaa gtgcacta 288

<210> 4996
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4996

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taaaatattc ctaattgtgc cattggggct cctccacata gacttcagtc caaattctct 120

cactcgggtc tcatctgaaa atttggaagg gttaagataa tatcagttct gcacaaaaat 180

gataaatcat gattatgcac tagttgccac ttgcagtgca ctatgtaata tgaacaaacc 240

agtacactaa atctagcata acttctgact atggaacaaa gtagtctatt aattcatgag 300

tcatgataca gaattaacac atttatagag aagaaagatt gagtgagaag atattcgtat 360

t 361

<210> 4997
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 4997

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agctgatcaa gttgcccacg tgtatgttaa gttctttgga tggtggacta agatcattnt 120

gcattttgtt ctttctactg ctttgaagac tccagttttg ttccaccact gatttatgct 180

gacatgggta gctctcgtga tattgctata ggaccagagg cagtggtttc tctcttgttg 240

gggacgttac ttattaatga gatcgatgcc tatacacatc cagcaaaata tcagcgactt 300

gctttttcag ccacttttat tgttgggatt acttaaacaa cgcttggtgt tcttaggtat 360

gatactacta ctactatatc tatatgtata tatatcttta tatatgatat agatatttat 420

<210> 4998
<211> 420
<212> DNA
<213> Glycine max

<400> 4998

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aatatgtact aagaccttag gttgatgttt tggtggccgg gtgtgaacaa agaagttatt 120

gagcttgtcc ttgcatgcct agtgtgtcag atagctatga tagatcacca gatgccttca 180

gggaagttgc aacctttata gatacccgag tggaagtggg atagtatcta cttggatttc 240

gtggtggggt tacctaggac cctcaaaggt ttagattcca tttgggttat tgtatacatg 300

tcgaccaaat ctgcttcctt tatccctatt tacatcagat attctttata gaggttgatg 360

atcttgttcg tctgtgagat tgttagacca ctcagcgttc cttctaccat aatctttgat 420

<210> 4999
<211> 364
<212> DNA
<213> Glycine max

<400> 4999

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gtcatataaa tagtcgatgc atatctaaca tgagtaactt atgttttatt ccaaagctat 120

cttcaaatca ctttgaaaaa tgtgtgtctt gcagtcaatc tacaaaaact aagaaatcac 180

atcaatcagt agctaaagaa cttgagccat tggatttaat acattctaat atatgagaat 240

ttgatggaat gttgaccaaa aatggaaaac gatattttat cactattatt gatgactgct 300

ctgattatac atatgtatat cttatgaaat ataaaagtga agcgcttgac atgtttaagt 360

tatt 364

<210> 5000
<211> 371
<212> DNA
<213> Glycine max

<400> 5000

agcttctcat tctctctcat aaggtattta ttgtttttc tttatataat acattaacat 60

taaaattatc aattaaaaac aacattatat aatctgtttt agtagttgat ggattactct 120

atggcttaat ataattcttt aacattgctt ttttttttt ttgtggtgtg tctgcacact 180

atgcttgggt tgtctttgta ctcaagtggt ctgcaatagc cacactcttg cccaagagaa 240

cggacaatga tatcaagaac taccggaaca cgcatattaa gaaaaggcta actaaaatgg 300

gaatcgaccc tgtgacacac atgcctaaaa acgatgcact tttctctagt gacggtcatt 360

cctaaaccgc t 371

<210> 5001
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5001

aaccccatgg atcaatgcat ataccacaag gtcagtggga gtaaaaaaag ttttccttgt 60

ttatatgtag atgatanttt acttgcagcc aatgatccgg gttcgctaca tgaggtgaaa 120

caatttctct cttagaattt tgacatgaag gatatgggtg atgcatctta tgtcatcagc 180

attaagattc atagaataga tctcgaggta tttgggtcta tcacaagaca ctatattatc 240

caaattttag agagaattcg gatgaaagat tgttcaccaa gngttnctcc cattgtgaag 300

ggtgataggt 310

<210> 5002
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5002

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tatgcagagt gctaatctta tgaactttgg ttcttctttc tgaccgaatg aagtgatatc 120

taacatctat atgcttggct ctatcatgat gaacctgatc cttggccaag catatagcac 180

taaggctatc acaatagatg tcagcatatt cttgattaat tccgagatca tatatcaaac 240

ctcttagcca aattcctttc tttgcagctt cagaaagagc catatattca gcctcagtat 300

ttaagagggc aacagaacgt tgaagtgttg ccttccaact caccaagcag ccaccaaggg 360

tgtaagcata tcctgtnatg gaccttctct tgacaagata agctgca 407

<210> 5003
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5003

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cctctatcat atctaataat tatcacattt atgtctaatt gcccatttat ttcattgtag 120

taaatttcta aggcatccat tgcctaagaa atcttgggca gtaagtagac ataacccgaa 180

catgaataat catcaataat ggtgataaag tatctttcct ttctgaaaga actaacatct 240

aatggtccac aaatatcagt atgcacaact tcaagaagct gagtgcttct tgtagcttct 300

ttctttgaat gtttagcttg gtttcccctta atacatccca cacaaatatt tagattcata 360

taatctagat aacgaagaga ttcattcttt attaatcttt ccatcctttc tcta 414

<210> 5004
<211> 385

<212> DNA
<213> Glycine max

<400> 5004

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tgccatgttt tcaaagcgcg tactaaggca tacaactcct tatcatacgt tgaatagtta 120

tgggtaagac cacttaactt ttcactacaa taggcaattg gatggcctta ttgcatcaac 180

acagccccaa tcccaacatt tgaagcatga cactcaattt caaaagattt tttacagttt 240

ggcaacgcat acatggggca ttagttagct attgctgaag aacattgaaa gcttcttctt 300

gtttctctcc ccatttgaaa ccaacatttt tcttgagcac ttcattgaga ggcgctgcca 360

atgtgctaaa atccttcaca aatcg 385

<210> 5005
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5005

actaagctta catattatat atataatgat atgatggaaa aattatttat aatgaatact 60

tagtacacaa tattttnttt cttaaaaaaa cataattaca atattatatg ttcaaatatt 120

ctatatttgt ctcttataat tatcccatac tccaatataa taatatttaa caagcttaca 180

tgttaaaatt aactcattta aataagtgaa tcaaacttca gatacaatat atttttntaa 240

tccatgcttg agacttaagt gctcgaatca actcaaatcg tttacacaag ggttctctaa 300

tacacacaca aatgcatata acttctaatt ataagaaaat ttcaagtaca gtataaaata 360

tttatgaatt agtatattaa ntacttaata attcaaagat tggattgcta aatatcatg 419

<210> 5006
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5006

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cgaaattgaa tggtgaagct ttgagcaaaa tcaaacgaca acaacttttt actcggatgt 120

ctgattgagt cccgtaatat atcgagacgc tcgaaattga atgctgaacc tctgagccaa 180

ttcaaacgac aatcactttt tactcggatg tctgattgag tcccgcaata tattgagacg 240

ctataaattg aatgttgaag ctttgagcaa attcaaacaa caatcacttt ttactcagat 300

gtctgattgt cgcccgtaat atatcgagac gctcgaaatt gaatgttgaa gctctgagcc 360

aattcacacg acaataacgt attactcgga tgattgactg agtgccgtat ataacaagac 420

gctaaaattg 430

<210> 5007
<211> 660
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5007

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ctgtaaatac agttccacta tcaaatatca tataaactaa ctaatacaaa tgataagaaa 120

tgcctaatgg tgccttgcct caataaaatt tgcatcaggt aacatggcac ggcaagtgtc 180

tcggtctctt ctgtaaggag atatcagact agcaacacat attaagccag catcagcaaa 240

cagttttgcc acttctccta gattaaataa ttttttttatc agtaaaacca agttgatatg 300

catcagattt tttaatacac tacagctata tacaataact ttgaaggatt aatagattat 360

ttttcatcat ggaactaatc caaatacact aatattgatt agaagttttt ttcatgtaat 420

aagttggcca agagtagatt gcaatattgt gtagactgca aaccaaccat tttgagaaag 480

gtgaagtgtg tcccacaaga aagaaagatt cgggttctca ataaactgt atttctttga 540

tccttcgtca tccacacttn cacatgaatc ttccacttgt ttccctcaca gcatggttgc 600

aacggattca tcagtgtaga cttttctgca taatgtagaa agaaaaaaaa ctgtcatcat 660

<210> 5008
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5008

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tggtttattg ggttcttgcc ctgttagtac tccaatagat tacaacacta gaattcatca 180

caattcaaga ttacatttgc ctgatccttc atcatataga tgcctaattg gtagattgat 240

ctatttgacc aatactcagt ctgatattac atatgttgta caacatgtta gtcaatttat 300

ttatactccc actactgcac atcagcaggt agtagcttgt atccttcgtt acattaaggg 360

tgctcctagt ttcgatctct tctaaccagc aaataatact gctaaactca aagcctttag 420

cgactttgat tgggctagct acataaagac tagacattcc atcattggat tntctattta 480

tcttgggtct tgtcttattt 500

<210> 5009
<211> 456
<212> DNA
<213> Glycine max

<400> 5009

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gagctttata gacatggcaa cactatttat ggccaaggga attcataatt cattttgacc 120

atcaaagttt gaagtttcta aaatctcaag gtaagcttca aaagagacat gccaagtggt 180

tggaattaat taagatgttt ccttgtgtga tcaagtacaa gaatggtaag gaaaacatag 240

tggttgatgc tttgtccaga aggtatgttt tgcttacttc tttgcaaact aaattgcttg 300

gttttgagtt tgtgaaggac ttgtatgcta ctgattctaa ctttggcaaa gtatgagatt 360

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aaattgtgtg tgcctatgtg gtccttgtgt gaaatg 456

<210> 5010
<211> 640
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5010

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tggcataact tcattgatga agaatggtct agaccacttg gatttcagct tacctagaaa 180

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aagcttttta tcatggtaaa ttttaactct ttgcttataa atcttggaat tctcataagc 300

ttgaaacctc agttcctccc attcatgaag ttggagcttc ttattttcac tagttgcatt 360

tgagtcaaaa ttcagaaact tcaatgccca ataagttttg tgctccaact caacaagtag 420

gtgacaagat ttgccataga ccaattggaa gggagtgcat cctgcatgag ccttgtatgt 480

tgttctgtat cccccacana gcttcttcta gtacttgnga ccaatctttc cttgattgag 540

caattgtttt ctctaagatc ttcttggctt ccctgttaga actntagctn gtccattggt 600

ctgggggtgg taaggagaag ctaccttgtg tctaacacta 640

<210> 5011
<211> 295
<212> DNA
<213> Glycine max

<400> 5011

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cgggcctatg cacgtaccaa accttgaaag aaacaagcag gccacaaatg ctggggcaga 120

tttttaccga tgcaccttga tgtatttttc tctagaaact tcattacgat gcttgcttct 180

caagctttat ttctaagact ttaacacact acagacattg tcttaaagat aacaacggac 240

agatcatgga gaggagtttg gagcagcagg atacctgaat tcgagacaat tgaac 295

<210> 5012
<211> 608
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5012

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cttctgtgtg ataagttatg accatttgaa tttctcgaga gcattcggtg ttcattttca 180

agcttctcga tatattgtgc acctgaatcg gacttccgtt tgaagagtta tgacctttg 240

aatttctcga gagcttccgt tgtttaattt caagcttctc gatatatttt gcaccttaat 300

cggacttccg tgtgacaagt tatgaccatt ttaatttctc gagagctttc gttgttcaat 360

ttcgagcttc tcgatatatt atgcacctga atcggacttc cgtgtgaaaa ggtctgacca 420

tttgaatttc tcgagagctt tcgctggtca atttcgaggg tctcgatata ttatgcgctt 480

gaatcggact tccgtttgaa aagttatgac catttgaatn tctcgagagc tttcgttggt 540

caatttcgag ggtctcgata tattatgcgc ctgaatcgga cttccgtgtg ataagttatg 600

acccattg 608

<210> 5013
<211> 335
<212> DNA
<213> Glycine max

<400> 5013

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gaagtccaat tcaggcgcat aatatatcga gacgctcgaa ttgaacaccg aatgctctcg 120

agaaattcag attgtcataa catgtcacag ggaagtccaa ttcacgaacc taatatatct 180

agactcttga aattggacaa cggaagctgt tgagaaattc aaattgtcat aacatgtcac 240

acggttatcc aattcaggcg cgtaatatat cgagactctc gaaattgcac aacggaagct 300

ctctagaaat ttaaatgagc attacatttc acacg 335

<210> 5014
<211> 501
<212> DNA
<213> Glycine max

<400> 5014

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tccgattcag gcgcataata tattgagatg ctcgaaattg aacaacaaat gctctcgaga 120

aattcaaatg gtcataactt gtcacacgga agtccgattc aggtgcataa catatcgaga 180

cgctcgaaat tgaacaacca aagctctcga gaaattcaaa tggtcataac ttatcacacg 240

gacgtccgat tcaggcgcat aatatatcga gacgctcgaa attgaacagc gtatggtgtc 300

gagaaattca aatggtcata acttgtcaca cggaagtccg attcaggcgc ataatatatc 360

gagaagctcg aaattgaaca acagaagctc ttgagaaact caaatggtca taacttgtca 420

cacggaagtc cgattcaggc gcataatata tcgagacgct cgaaattgaa caacgaaagc 480

tctcgagaaa tcaaatggtc a 501

<210> 5015
<211> 327
<212> DNA
<213> Glycine max

<400> 5015

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gaagtccgat taaggcgcat aatataccga gacgctcgaa attgcacaac ggaagccctc 120

aagaaattcc aatggtcata actatcacac ggaagtccca ataaggcgca taatatatcg 180

agaatctcga aattgaacaa ctgaagctct tgagaaattt aaatggtcat aacttatcac 240

acaaaagtcc gattctggcg cataatataa ctagacactc taaattgaac aacggaggct 300

ctctagaaat ataaatggtt attattt 327

<210> 5016
<211> 500
<212> DNA
<213> Glycine max

<400> 5016

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ccattctaga tttcctacac actcaacatc tggggaaata tttgggattc cctttattag 180

ttgggcagaa caaagaatac ttaattttct ttcattttgg acaaaattga taaaagaatt 240

gttgggtgaa agagcaaagt tcttaacaga gctgggagga tcactcttgc aaactcagtc 300

atgtttgcaa tccctaccta tcctatgcaa aatttgtaga ttccttaagg tatttgtaat 360

acaatcgatg ctataagaag ctttatatgg tggactggtc gactattaca aaaccgcgcc 420

acataggggg ttttgacata agcgagagta cgccattcca cattgtctta ctatgaaaac 480

atgtttgggc tctcatgaac 500

<210> 5017
<211> 522

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5017

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tattgaggca atagatctaa atatctggga agccatagaa atagggcctt atatacccac 180

cacagtagaa agagtttcaa tagatggtag ttcatcaagt gaaagcatag ccatagaaaa 240

acctatagat atatggtctg aagaagatag aaaacgagta caatacaact taaaagccaa 300

aaacataata acatctgccc tgagaatgga tgaatatttc agggtatcaa attgtaagag 360

tgctaaggaa atgtgggaca ctcttcgatt aacacatgaa ggaactacag atgttaaaag 420

atctaggata aatgcactaa ctcatgagta tgaattatnt ataatgaatg caaatgaaaa 480

tattcaaaac atacaaaaga gatttacaca tatagtaaat ca 522

<210> 5018
<211> 639
<212> DNA
<213> Glycine max

<400> 5018

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tcatcagtgg gctttccttc tgtgtccaac atcttgggat gttcccagcc tttgatgaca 120

gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccagtat 180

tcatagttgg ttccatcaag aattggtggt ctgttcactg gtcctccttc tttctccatg 240

ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300

aattgaaatt ctgataccag gggacagatg tcgtacagga tgtcacgaca tcacgcttca 360

gaacatgcag tttatatgtg tctgtatgaa cagattaaac aagtaaataa cacaagagaa 420

ttgttaaccc agttcggtgc aacctcacct acatctgggg gctaccaagc cagggaggaa 480

atccactctc aatagtgtta gttcaaggtc taacagcccc tgtttacaac cttctcacct 540

aaccactacc cgtgcgatct ctacctaaga gccactctta gatatgagaa cctctgctca 600

ctccctctca ctcacactcc cgtgtttaca attaagtca 639

<210> 5019
<211> 564
<212> DNA
<213> Glycine max

<400> 5019

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catccagcag aggtatgttt acctctactt ttctaaatgt ttccaatatc tccttctcag 120

tatcttccat ttttttgttg gaaattgctc ttggagggaa tgaaagaggg atatgttgct 180

tctctttaga ttcacctgca tagaaattgt taggtaactt actctttaaa tttttgtcat 240

catcttttc tggagtagag tgaagttggg caggttcatt tgcagatgag gaagatgttg 300

ctggttgagg ttcttgacac tgctttcctg acctcaatga aatgacactc acatttttgg 360

gattctggac agattgagaa ggcaatatgt cagaattctg ggactgttgt tgatttaact 420

atgtagccaa ttgtcccatc tgattagtta agctctgaat ggaagctctg gtatcttgtt 480

gaaactgcat gttttgcata gtcatttgcc tcacaagttc ttcaagggaa ggttgcgaaa 540

gagcctcaac tgtttgctat ttct 564

<210> 5020
<211> 567
<212> DNA
<213> Glycine max

<400> 5020

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agaagaatgt ggcatttact tggggtgaaa gacaagagca agccttttt ttctcaaaga 120

aaagctcatc aaggcacttg ttctagctct tcctcacttt tctaaaactt ttgagctaga 180

atttgatgcc tctggagtgg gagttggagc tatattgtta caaggcgggc accctattgc 240

ttattttagt gaaaaacttc atggtgcccc cctcagctac cccacctatg ataaagaact 300

ttatggccta attagaaccc ttccaaactt gggaacatta cctggtttcc aaggaatttg 360

tcattcatag tgatcatgaa tcacttaagt acattagatg acatagcaag ttaaacaaaa 420

ggcatgcaaa atgggtagag tacctagatc aatttccata tgttataaaa tacaaaaaag 480

gaaaaacaaa tgtggtagct gatgccctct ctaggaggca cacattgttt ttctccttgg 540

gaactcaaat tttaggattt gataaca 567

<210> 5021
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5021

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gcttccttgg ccttctttga tctagccctt ggcataggtc ctccaagtcc ttctaaaggt 120

tccttgccct tagtccttgc atgtcctcat cacatgtgga aaaaaatgtg tgtgatagtg 180

taatcagcat gcttcttaac attaaaggta agacaaagga tgatttgaat actcgtcaag 240

atctagctga gatgggtata cgtgaccaat tacatccaat gttttaatta aataaagagt 300

cttgttaacc agtgccttta acgtattggt taaggaatta aaaaagaaat gtatttatta 360

tgtaaattat aggagagtgt aaaaaaagat catgggcaac acaatttttc acctctcaat 420

aaaaacattc ctattttatg ttttttaacc attaccctta ngacactagt tagcatttaa 480

cttaaataac aatgaaaaca ttaatttcat tatgtgtgag act 523

<210> 5022
<211> 459
<212> DNA
<213> Glycine max

<400> 5022

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acagaacaat tatgacctct ccagcaacag gtataatccc gggtggagga atcatcccaa 120

ccttagatgg tcgaatcctt cacaatatca gcaacaacaa caacaacctt attttcagaa 180

tgctgctggc ccaagcggac catacgttac tacaccaatc cagcaacaac aacagctaca 240

acatctgcag ctgcagccac cccagaaaca acaaatagtt gaggctcctc cgcaaccttg 300

ccctgaagaa cttatgacgc aaatgactat gcaaaacatg cagttttaac gagagaccag 360

caccttcatt tatagcttaa ctaatcatat gggacaattg gctacacagt taaatcaaca 420

gcagtccgag aattctgact gattactttc tcaatctgt 459

<210> 5023
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5023

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gctcacctcc ttgagatgag aagctagagc ttagctacac acccccctata atagctaagc 120

tcacccccat gacaaaaaaa agatgaaaat acaaaaaaaa aagtccttac tacaaagact 180

actcaaaatg ccccgaaata caaggctaaa accctatact actagaatgg ccaaaataca 240

aggcccaaac gaaggaaaaa cctattctaa tatttacaaa gataagcggg ctcatactta 300

gcccatgggc tcaaaatata ccctaaggct catgagaacc ctagggcctt cccttggatc 360

tctagcccaa tctacttgga gtcttctacc caatgccctt gcgggataag atttcatcat 420

tccctccacc ttggaaagga tttgacctca aatcccaagg ttcttcatac tctgggctcc 480

ttccctcaac acctgtaaaa agaaaaaaaa catatgtatt antggtgttt ggtatgtt 538

<210> 5024
<211> 397
<212> DNA
<213> Glycine max

<400> 5024

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cggacctccg agtgagaagt tatgaccatt tgaattgctc aagagcttcc actgttcaat 180

ttctagcgtc tcgatatatt atacgcgtga atcggacctc cgagtgaaaa gttgtgacca 240

tttgaatttc tctagagctt cggttgttca aattcaagcg tttcgatatt tgatgtgcgt 300

gaatcagacc tccgagtgag aagttatgac gatttgaata tctcgggagc ttccgttgtt 360

caattgcgag cgtcactata tgtcatgcgc cggattc 397

<210> 5025
<211> 544
<212> DNA
<213> Glycine max

<400> 5025

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ttaagtgttg gagtttgaga atattatggt taaatttgat gaacatgtgt atgttgtacc 180

ttacgaatat cattaggaat gttatgagat ggttgatgtg atgttatgag atgttaaagt 240

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gaaagtgtag gttcctagtt aggaaccagt gttaaattgt agcgcaatgt gttaaacatg 420

tttgaaacat aagtgtgagg tcgtggtatt gtgtaattca tgagttgtgt ttataaatgg 480

aatatgtgat gaattgtgga ataacatgtt gctttgagat tttaatattg gtattgagat 540

tgag 544

<210> 5026
<211> 507
<212> DNA
<213> Glycine max

<400> 5026

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cactggtaat cgattacatc ctctggtaat cgattaccag agagtaaatt tgttgaagaa 180

gacttttaa cttgtaatcc ttggccaaac cttttgctac ttcaattgga attcccttcc 240

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ttaatttctt tgtcttgagt aaatctttga gaagcatatg attcatgtaa tcctttggca 360

tcatcaaaac attcagctta atcctttgtc tacacccacg ttctactatg aaaagctgat 420

tggctacatg ccagctaact ttgcggatct cgtcttcgcc ggagaaagga ttgaatcccg 480

actacaaaaa ggcaagttcg aatatgc 507

<210> 5027
<211> 497
<212> DNA
<213> Glycine max

<400> 5027

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tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

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ggtgagggca actggcacat agtttcttaa atcgctccca gtactcatac aggctctctc 300

cactgagttg tctaatacct gagatatctt tcctgatggc tgtggtcctg gaagcaggga 360

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ggtaatacaa ccagtccttt gccactccct ctaatgaatg aggaaaagcc ttcagaaata 480

tgtgatcctc ttggaca 497

<210> 5028
<211> 502
<212> DNA
<213> Glycine max

<400> 5028

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tcttcttcat caatggattc ctttgcttct tggaagatga atggcagcgg aatggagaaa 180

ggaagagaga gaggagacgc cacttcaagg agaagatgag tctaaaagaa gctcaccacc 240

atatgaggcc atggataaga gcttggatga agaatgagat gaatgaaggg agagggagag 300

aagagcacga aattttgtgc tctacatgag ctctgagatc tgaagtttaa tattcaaatg 360

atcaaagttg aaaaaaatgc acacacatga cctctattta tagcctaagc gtcacacaaa 420

attggaggga aattcagaat taacttgaat ttgaaattga atttgtggag tcaaactatg 480

gacccagaat ttcactaaat at 502

<210> 5029
<211> 614
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5029

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gttaggatta aggaacctag ctatgaggat atctgcctgt ccttgtgcat gctgattttt 180

cttcaaagaa aattacgttt taactaatgg gatgcgatat atatattgtg atgaatgata 240

ttgttttggc tgtttgaagg ctgtgcgtga ggaaatgata ttgttgtgtt tgtttgaatt 300

gttgttgatg ttgctattga ggattttaat tgatatgtga tgataatgat gattatgatg 360

atattgattt gagatgacat tgttaataaa gaccatgtca acatgaattg ttattattga 420

tgaatatgtg aatatgaaat gatgttgttg ttgttgttga taacgtcatt gagatgagat 480

gatatttatg ttgtgaatga catggaaata cgatttgttc attgatgttg gaaatgcatt 540

ggcatgtgca tgttgtgtat gttcgtgggg ggcactgtgc actgaccttt cannggtctt 600

tggcattagc tttt 614

<210> 5030
<211> 595
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5030

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aagtcaaggt atgttgaagt ggtcgttgga gtatatggtt ctttgcattt tttatgccaa 180

atttcttaat tagttctata gagtatttgg tttgacatag gaaggttcca tgtttcatct 240

actgcacttg gagtccaagg aagaaattta actcacccat catagacatc tcagattcct 300

tctacataca actagaaaat tccttacaca aaatttcatt actagcgcca aatataatat 360

catcaacata tatttgaaca atgaacaact cactatttac tttcttaata aacaatgttt 420

tgtcaacttg gcctctagtg aaagattgct taattataaa actgtttaat ctatcatacg 480

atgaccttgg tatttgtttc aaaccataca nagccatttt tagtgtatag acatctttag 540

gatgttcata gtccacaaaa cctggggatg acctatatat acttcttttt caatg 595

<210> 5031

<211> 647
<212> DNA
<213> Glycine max

<400> 5031

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tgcattgaat acactttaag tttgttaagt atatgtcgaa ctaaatgtat cattgcattg 180

tttgctaaaa aaatgtttga gctaaagtaa ctctcttaaa aagggtttgt tcaacttaat 240

taaataataa atatgataat tgactagtta gataagatac atcaattatg atctagttta 300

ccgcgcactt taaggttaag ctgcgttcgt cctgcttaat ccgcctgata aaacattaca 360

accgaataaa tgacaagcat aggtacatgt tctaattcat ttcaccaaca aaatattgcg 420

ttttttcttc ttattttacg cttcggctaa tgcatttata aaagattaag agattatttt 480

gtttcacaaa acatattttg ttttaagttg atatacgaaa attgaaacac aaaattgaaa 540

cggatataat agaaaattat ttacactatt gtcataagtg tttaaaaaaa agaaataaag 600

tgaaaaaatt gtgacatttt ttaattaaaa agaaaaataa atttttt 647

<210> 5032
<211> 447
<212> DNA
<213> Glycine max

<400> 5032

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aagttattgt cgtttgaatt tgatacgagc ttccattttc aatttggagc gtctcgacat 120

attacgggac tcaatcggac atccgagtta aaagttaatg tcgtttgaat ttgatacgag 180

cttccaattt caatttggag cgtctcgata tattacggga ctctattgga catccgagaa 240

aaaagtcatt gtcgtttgaa tttgatacga gcttcccttt tcaatttgga gcgtctcgat 300

atattacggg actcagtcgg acatccgaga aaaacttatt gtgctttgaa ttttctagga 360

gtttctgttt tcaatttcgc gcgtgtcgat atattatagg actcaatcgg acatccaagt 420

taaaagttat tgcggttttc atttgct 447

<210> 5033

<211> 444
<212> DNA
<213> Glycine max

<400> 5033

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atatatcgag acgctccaaa ttgaaattgg aagctcgtat caaattcaaa cgacattaac 120

ttttgacttg gatgtccgat tgactcccgt aatatatcgt gacgctccaa attgaaaaca 180

gaagctctaa gacaattcaa acgacaataa ctttttattc ggatgttcga ttgagtcccg 240

taatatatcg agatgctcca tattgaaaac ggaagctcgt atcatatgca aaccacaata 300

acttttttact cggatgtccg attgagtccc ataatatatc gagacgctcc aaattgaaaa 360

cggatgctcg tatcaaattg aaaccgcaat aacttttaac tcggatgtct gattgagtcc 420

cgtaatatat cgagacgctc caaa 444

<210> 5034
<211> 479
<212> DNA
<213> Glycine max

<400> 5034

agcttatgac catttcaatt tctcgagagc tttcgttgtt caatttcgag cgtctcgata 60

tgtgatgttc ctgaatcaaa ccttcgtgtg ataacttatg accatttgaa tttctcgaga 120

gcttccgttg tacaatttcg agcatctcaa tatatgatgt gcctgaatcg gacatccgag 180

tgaaaagtta tgacaatttc aatttctcaa gagctttcgt ggttcaattt cgggcgtctc 240

catatgtgat gtgcttgaat cggacatccg agtggaaagt tatgactatt ttaatttctc 300

gagagcttcc gttgttcaat ttcgagagtc tcgatatata atgcccctga atcggacctc 360

cgtgtgaaaa gttatgacca tttgaatttc tcgagagcga ccgtttttta atttctagcg 420

gtctgatatt tgatgtgcct gaaacggaca ttccagtgaa aagtttgacc attttaact 479

<210> 5035
<211> 513
<212> DNA
<213> Glycine max

<400> 5035

agcttgcaga ccagggattt atctgcaact tcaaaactag gaggctgagt cataaataca 60

tatccctcaa gcaacccatt aagaaaagca ttgttgacat caaactgaaa taactcccac 120

ccttgagaaa gagcaagagt gagaataaca caaattgtga caggcttgac cacaggaaaa 180

aatgtctcat gaaaatcaaa tccatgaacc taatgaaaca aacccccttag caaccagttt 240

ggctttgaac ttgttgatag aaccatcaac attttctttt actctgaaaa gccatttgca 300

cccaatagct tgcctattag gaggtagggg aaccaagtcc cgagttctgt tttacagtaa 360

agcatcatac tcctcttgca tagctgtaga ccaatctgaa ttttccaggg cctctttgac 420

agtcttgggt tcaaaatgag caaggaacag tgaaggatgt aggctaggat tatgaattcc 480

agacttggac ctaatttgca taggatgagt gtt 513

<210> 5036
<211> 433
<212> DNA
<213> Glycine max

<400> 5036

tatcgtcatt ggaaagagat cattaaaatc accaaatatg caccaagcac caatagagga 60

atgagctaaa gatcacaaaa gattccatga acctttctc ttatctctct tttggaatcc 120

atagtaaact attaacttcg agacaatttt gacaagatgg attttcatgt tgataaaatt 180

aaaatagtag tttaagagac aacaattaaa gggggttttc caaaacatag tcagcccacc 240

actccggcct ttagcatcaa caaaaaaaaa agcataaatc aaaaccaatt tgaatacaaa 300

tatcatcaat atgctaagag taaacacgag tttcacataa taaaatgata ttccaatgag 360

atcttttagg gtaggaattg tgctcgggtt gcccaagccc tgacagtttc aactttgaga 420

ctaatcttcc ctg 433

<210> 5037
<211> 694
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5037

ttgagccaaa atcctgactc accataaacc ttgacccagg gtgagaatgt caatccttac 60

cttcggaagc gaaaagaata gaagggaaat ttccaatcaa agaaaaggaa agaaggaaga 120

tttccaatca aagagaaagc aaaaaaagaa aagaaggaaa attcccaatc aaagagtggg 180

agaaagcaaa aagaaaagaa agaaaattcc caatcaaaga atgggagaaa gaaaaaagag 240

aaaaggagga aagaaagctc ctgatcaagg atcgaaagaa aacagaagaa atgtgcagag 300

aagtctttgg accggacaat atctgaacaa tacagaattg tcaccaaatg aacaaaaagg 360

gaaggaaagg aaaccacgac ctaaaatggt cttctccctt tgattaccaa ccaaaatccc 420

gtgcgctagc gacttttttt tctcgccccg cactaaacaa aaaaaaaaca gaaaaagaaa 480

aagccagaaa aatcaaaagc caaaaacaca caaaagccga aaaaaaaaac caccaaaaga 540

acccattccc aagggaagcc ctattgatcc ataatcgcgc atgtaatttt tgatttgata 600

ggaaataatt ngcaaagtca agtcatgaca tatctatggt tcggaattag gatgaaacac 660

ttacctgtgc aagattgata cactttgagt gatt 694

<210> 5038
<211> 347
<212> DNA
<213> Glycine max

<400> 5038

ttggagtgtc caagcgccgc tccttcctca cccttaatgc atttttcttc aggcttcatt 60

tcatcaatgg gcattccttc tgtattccgc atcttgggat gtccccagcc attgacgaca 120

cacttccagg ttctgatatc ctaggccatc gcgaaggcca ccatactcag ctctccaata 180

tccacactat gtgtcatgaa gagacggaag tctgcacact gagcctacgt ctttatccat 240

gtttatcaga atatatctcc ccacacctca ctctgagaat acaaagaagg ctcttaaacc 300

aataggaacc ctgataccaa agtacatatg tagttcagaa cgacaca 347

<210> 5039
<211> 387
<212> DNA
<213> Glycine max

<400> 5039

agcttttctt tgaccgaagc taaggctgaa tcttgttttt caccctatac acatgccatg 60

ttcttcttca cccactatta gaaaggtgac gcatttgaat aaaagatagg aactaacctt 120

atatataagc ttgctaacca atggaagctc ctaatatctc cgacacatta ttgggtgctc 180

cattctagaa tagtcgtgat tgtctcatgg tgcacttcga ccccatttct accaactcct 240

aaacctcaga gaactatatt atctactcac aatgtacact tctctatata tgcatagagg 300

gagttttctc tattgactga aacaacttgc ctgagatgta ctcattgatc atataagctc 360

atatggccca ctaaaatatc ttaaaaa 387

<210> 5040
<211> 570
<212> DNA
<213> Glycine max

<400> 5040

atactcaagc tttgagccac ttcaaacgac attaactttt tactcggatg tcttattgag 60

tcccttaata tattgagacg cttgaaattt tatgttgaag ctcttagcca attcaaacga 120

caataacttt ttactcggat gtccgattca gtgacgtaat atatcgggac actcgaaatt 180

gaatgttgaa actttgagcc aattcaaacg atgtctgatt gagtcccgaa atgtatcaag 240

acgctcgaaa ttgaatgttg atgctttgag caaattcaaa agacaaaagc tttttactag 300

gatgtttgat tgagtcccgt aatatatcca gccgctcgaa attgaatgtt gaagctttga 360

gcaaattcaa acgactatat ttttttactc ggatgtctga ttgagtcccg taatatatcg 420

agacgctcga aattgaatgt tgaacctctg agccaattca aacgacaata acttttttact 480

cggatgtctg attgagtccc gcaatatatc gagatgcttg gaattgaatg ttgaagcttt 540

gagacaattc agacgacaat aacttttttac 570

<210> 5041
<211> 491
<212> DNA
<213> Glycine max

<400> 5041

agcttcaaaa ttcactttcg agcgtctcga tatattacgg gactcaatta gacatccgag 60

taaaaagtta ttgtcgttgg aattggctca gagcttcaat attcaattac gagtgtctcg 120

atatattacg ggactcaatc agacgtccga gtaaaaagtt attgtcgttg gaatttgctc 180

atagcttcgg cattcaattt tgagcgtctc tatatattac aggactcaat aagacatccg 240

actagaaagt tattgtcgtt taaatttgct caaagcttca acattcaact tcgagcgtct 300

tattatatta taggactcaa tcagacttcc gagtaaaaag ttattttcgt ttgaatttgc 360

tcaaagcttc aacattcaac ttcgagcgtc tcgttatatt ataggactca attagacatt 420

cgagtaaaaa cttattgtcg tttgaatttg ctcagagctt caacatcaat ttcgagcgtc 480

tctatatatt a 491

<210> 5042
<211> 651
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5042

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ggtcattaga attaatgaac tcagtgataa tctccttgga caatagtttc tctcgaatga 120

aatgacaatc aatctctgtg tttagtcctc ttatgaaaga ctgaatttga ggcaatgtga 180

agagctgcct gattatcaca gtataacttc atttgcacaa cttcacaaaa tcccaactct 240

tggagaaatt gtttaatcca cataagttcg catgtaacca tagtcataga tcgatattca 300

gcctctgcac tggatcgagc aacaatagtt tgtttcttgt tcttccaaga gataatattt 360

cctccaataa aaacacaata tcctgaggta gatcttctgt ctatgggaca accagtccaa 420

tctgcatcac aatatccaga gacttgagtg ttacccttgt tttcatacaa caatccttgt 480

cctagagcct tctttacata tctgagaata cgcatgacga cattccaatg atcaacatga 540

ggattntgca taaattggtt aacaacccca acaacaaaag aaatattang tcttgtaatg 600

taagataagt gagttttccc acaagtctct tatatctctc gggtttgatc t 651

<210> 5043
<211> 451
<212> DNA
<213> Glycine max

<400> 5043

agcttggctg aaatggtact tggctgtttc atctttatct cttaattact atctaatcat 60

tatttgatta gatagtaatt agtgatttag tccttattac acattatttg attgatacta 120

tgtaatgaat actgatccca tttactcgtt ataaataaag gcttggtgtg gccatccaag 180

acacaacatt acagaaaaac actgttatag gtagcataaa ataaagactt ttgaggggta 240

ctaaggacta actcaaggtg ttgtaagtgc tcttgccatg tcttgctata tataagtgtg 300

ttataaaaaa acaccaaaac aaatgtacta agatacagct gcaagcgtga gttcattgta 360

cattgaaatg tggcaaagac attggttata gcccaaaagg aataaccaag aactcaacaa 420

caagttccga atgagcttca ttcccaacac a 451

<210> 5044
<211> 529
<212> DNA
<213> Glycine max

<400> 5044

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cacatagaag gtggtttcta gtagaagaaa aaatgtaatc caagtaagtg caattggttt 120

atctggagct acagaggggt ggcactgaat catgcagact gccttctgtt atagcgatta 180

attgaagttt tctttcatgc cctgaacgtg aaatacagtg ggtcttataa tacttttata 240

atattatgcc atgtgagtat aatgacaacc ttttcatatc ctttcagtgg tttcggtcat 300

gtcatttaaa gttttatttg aaaagaaaat ttataaaatt gtttttatag agaaggaact 360

atattggaat tatacattaa tgtgggattt tgttaattac caaagatgaa atctatggag 420

tttgtaattc taaattatat ggtttattga tataacgatg ctatgaaata tttatatttg 480

gatttaataa aactgttaat tataagatat atatatatat atgaattat 529

<210> 5045
<211> 470
<212> DNA
<213> Glycine max

<400> 5045

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tagtcagtgc acatatgcca tttgccattg gccttttcta ccatgacaat gttggctagc 120

caagttgaat atctgacctt ctaataaact aagccttgag taacttgtca atctcttgtc 180

tgaccacctt ttgtcgctct tctcccatct ttttttttc ttttgtgaga ctagtttggt 240

cagaggatag atggccaatt tgtggcatat gatgctagca tgcatacttg gcatattaga 300

caactgtcat gcaaatagat ttgtgtttct tcgtaagact tctgctacat gtttgtactt 360

gtcgctaatg aagtccttgc tgagctaaat acactaccca ggtttgggtc caagtgtaac 420

ttgacaagct ctttgattgt tttgggcctt tataaatatg tcatcacgca 470

<210> 5046
<211> 470
<212> DNA
<213> Glycine max

<400> 5046

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aacgaagaga gaggagacgc cacttcaagg agaagatgag tctagaagaa gctcaccacc 180

atagaaggcc atggataaga gcttggagga agaaggatat gaatgaaggg agaggaagag 240

aacagcataa aattttgtgc tctaaaagag ctctgaaatc tgaaatttaa ttttcaaatg 300

atcaaagttc caaaaaatgc acacacatga cctcttttta tagcctaagt gtcatacaaa 360

attggaggga aatttgaatt tctattgaaa ctttacttga atttgaaatt ggatttgtgg 420

agccaaattt tggagccaaa atttcactga ttatgattag ggaatttagc 470

<210> 5047
<211> 511
<212> DNA
<213> Glycine max

<400> 5047

tcaggttgct cattgactcc agattgctgc aaagaaggac agagatctgt atggtgatct 60

acagaagaac atagaccata gactcttgca acaggtgcag atgcagattt ttgattcatg 120

gcaagctgag ttactaggta gaccaaggca tcaagttttc cctcaagctt ttttattttc 180

agtagatgaa gatgaatcta tggccacctc atggactcct ctaaggacaa tagcatcatt 240

tcttgcggcc tcagttgctt gttgtctttg ttgttgctgc tgctgtattg gaggaggaac 300

atatggcttg cttggaccag tagcattctg gaagggaggg acaagctgat gttgttgtgg 360

aggacttgtc catctcagat ttggatgatt cctccaacct ggattgtatt tgttgcttga 420

aaggttataa ttattttgtt gttggtggtt tttctgctga ggggatctat tataaatgtt 480

tgcagcatga gcttcaggtt gctcattgac t 511

<210> 5048
<211> 575
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5048

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atcgagacgc tcaaaattta gatccgaagc tctgagaaaa ttgaattgac aataacttta 120

tacacggatg tccggttgag tcctgtaata tatcgagacg ctccaaattg aaaacggaaa 180

ctcttagaaa attcaaacga caataacttt ttactcggat gcccgacaga gtgtcgtaat 240

ttatcgaggg atgctccaaa ttgaaaacga acgctcgtat catattcaaa cgacaataac 300

tgtatactcg gatatctgat tgagtcccgt aatatatcga gacgctcaaa ttttagatcc 360

gaagctctga gaaaattgaa ttgacaataa ctttatacac ggatgtccgg ttgagtcctg 420

taatatatcg agacgctcca aattgaaaac ggaagctcgt agaaattcaa acgacaataa 480

cttttacttc gatgtccgaa tgaatccgca atatattgag acgcttcaaa ttgagactag 540

aagctctgag caaattgaaa tgaccataac ttttt 575

<210> 5049
<211> 493
<212> DNA
<213> Glycine max

<400> 5049

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tataaactta ttgtcaatta aattttctca gagctttgga tcaaaatttt gagcgtctcg 120

atatattacg ggattcattc agacatccga gtaaaaaatt attggcgtta gaatttgata 180

cgagcttccg ttttcaattt ggagcatctc tcgctaaatt gcgataggct atcgggcatc 240

cgagaaaaaa gttattgacg tttcatattt ctaagagttt ccgttttcaa tttggagtgt 300

ctcaatatat tacgggactc atccggacat ccgtgtataa agttattgac attttaattt 360

gcgcaaagct tctagtctca attttgagcg tttcaatata ttacccgatt caatcggaca 420

tgctagtaaa aagtaattgt ccgttggaat ttctacgagc ttccgttttc aatttggagc 480

ggattgacat ttt 493

<210> 5050
<211> 550
<212> DNA
<213> Glycine max

<400> 5050

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tggatttgtg tttttcatgg gggaacacaa ccttcacttg gatgtcaaaa aattagtcga 120

tagtcactct ttcaacttgt gaggcacaat acatagcaac tacttcatac atttgtcatg 180

cactctggct taggaatttg ttaaaaaagt tgggcatgtc acaagaatag ccgaccaaga 240

tctttgttga tagtaagtca gccattgttc ttgcaaagac tccactgttc catgatcgaa 300

gcaaacatat tgatacatgt taccactaca taagggagtg catatcaaga aaggatgtac 360

atgcacaata tgtgaagtct caagaccaag tagctgacat cttcaccaag ctgctcgagt 420

aagaagactt aatcaagtta agaagcttac ttggaatggt aaatcaagtt taaggggggg 480

gtgttgaata atataaactt gatttatccc attaatcatg tgttaagtcc cataagtttg 540

tgctactact 550

<210> 5051
<211> 434
<212> DNA
<213> Glycine max

<400> 5051

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tgactttgaa cgtttgttta tggaggagtc cgagtcaatt tctaattatt tttctcgagt 120

attggtcgta gtcaatcaac ttaaaagaaa tggtgaagat gttgatgagg tgaaggtcat 180

ggaaaaaata cttcgaactt taaatccaag ttttgacttc attgttacca acattgaaga 240

aaacaaggat ttaaagacca tgactattga gcaactcatg ggttccttac aagcatacga 300

agaacaacaa aagagaaaaa ttctacaaaa ggaggctacg gagcaactac tacaactcaa 360

catatatgaa gcaaactatg catattacaa cagccaaaga ggacgaggtc gcggccaaca 420

tcgtggacgt ggac 434

<210> 5052
<211> 671
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5052

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cctcggaagc aaaaaaagaa tagaggggaa atttccaatc aaagaaaaag agaaggaaaa 120

tttccaatga aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa 180

gcaaaaagaa aagaaaggaa aattcccaat caaagaatgg gagaaagtaa aaaaaggaag 240

aagaagaagg aaagaaagct cctgatcaag gatcgaaaga aaacagaaga aatgtgcaga 300

gaggtctttg gaccggacaa tatctgaaca atacagaatt gccaccaaat gaacgaaaaa 360

agaaggaaag ggaaccacga cctaaaatag tcttctccct ttgattacca accaaaatcc 420

cgtgcgctag cgacccttt tttctcgccc cgcactaaac aaaaaaaaca gaaaaagaaa 480

aagccaggaa aatcaaaagc caaaaacaca caaaagccga aagaagagac caccataaga 540

acccattccc aagggaagcc ctattgatcc atgatcacgc atgtaattnt tgatttgata 600

ggaaataatt tgcaaagtca agtcatgaca tatctatggg ttcgaattan gatgaaacac 660

ttacctgtgc g 671

<210> 5053
<211> 442
<212> DNA
<213> Glycine max

<400> 5053

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cggttatgac ggaccgaggc ataaccgggt tgagggagta aagctcaatg ttcctccctt 120

caaaggtata agtgatccag atgcctacct gtactgggaa atgaagactg agcacgtatt 180

tgcctgcaat gactacactg atgcgcataa agtcaagcta gcagcagctg aattctccga 240

ctatgcccct gtttggtggc ataaatacca aatagaaatg ttgagagagg aacggcgaga 300

ggtatataca tggactgaga tgaaaagggt gatgagaaaa aggtatgtgc ccactatcta 360

taacaaaacc atgcgacaga aacttcaaag gctgtcccaa gggaatttaa ccgtggaatg 420

attttaataa agaaatggaa at 442

<210> 5054
<211> 492
<212> DNA
<213> Glycine max

<400> 5054

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atttagccga tcaaaattaa acgacggaag ctctcgagaa attgaaattg tcataacttt 120

tcacacggag gtccgattca ggcacatcac atatggagac gcccgaaatt gaaccacgga 180

agatctcgag aaattcaaat ggtcataact tttcacacgg aggtccgatt caggcgcatc 240

atatatcgag acggtcgaaa ttgaactacg gaagctctcg agatattaaa atggtcataa 300

cttttcactc ggatgtccga ttcaagcaca ttacatatgg agacgcccga aattgaccca 360

ccgaagatct cgagaaattc aaatggtcat agcttttaca cggaggtccg attcaggcgc 420

atcatatatc gagacgctcg aaattgaaca acggaagatc ttgagaaatt gaaattgtct 480

taacttttca ct 492

<210> 5055
<211> 582
<212> DNA
<213> Glycine max

<400> 5055

tgttgtcctc attagtggac gcctctatta aacaagtggc ctcaataact taagaggagg 60

gaggggggtg aattaagttt aaaaatttct ccctaatcaa attttaattc tctcttgaaa 120

tagaatatgc acacttaata tgaatgaagt aaagagctat tcaaatgata cttctttaaa 180

ataagcaaag caaaaataaa atgtaataaa ttaaagaagt ttagggaaga gagaaatgca 240

aactcagttt ttatactggt tcggccacgc cctatgccta cgtccagtcc tcaagcaacc 300

tgcttgagat tttcactaac ttgtaaattc cttttacaaa ttctgaaccc cacatggata 360

ccctttttctt gtgttcagag atccttacaa atcaagatac ccactgtctc ttgaacaaca 420

gttgtttgct ttaaagtaag aagaatattt ctctcttgta gagaagaatg ttacaagatg 480

aagatcttat tagaattctt attgattttg caagtgtttg accaatgctt tcttttgaga 540

agaaaaaaca attattgttc tgaaaaactt tcgagaaatt tg 582

<210> 5056
<211> 621
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5056

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taggtcgaag aagttggttg aactgatgaa gatgtgtaga gatctgaggc acaaggtccc 120

agagatattg gaggtggagg tggatccaaa gggagcacca aggattcaag aggcgataat 180

gaagctctac gtttcaaaga gcgcgttcga gaagattcac ttgttgcagg caatgcatct 240

tagaatttcc tctctataaa cataatttag aattccaaaa ttttagttaa ttaaaaatta 300

tctattaaaa tactgaaatt tcaaatttca gtgaacaaga catccaaaag aaaattttag 360

acttagaaat tttaaatcct ctaaaaaatt actttctttg ctttaaatac tccatccaaa 420

cagattctga agagaaaaaa aacattttct taaagtatct tttgtttgaa attaatttta 480

aaaataaaaa agaataatta aaaatagaat ttcaattaat tgaaatatat ttttaaaata 540

atatcattaa atagggtgaa aaatggttaa atttatttat atttaagttt aanaattact 600

tttggtttat ttaagtcaag a 621

<210> 5057
<211> 465
<212> DNA
<213> Glycine max

<400> 5057

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60

ctatgcaggt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

tcagatttac ctgggtcaac tttatcagag agaaatcaga aacctttgga gtattcaaag 180

agttgagtct aagacttcaa agagaaaagg attgtgtcat caagagaatc aggagtgacc 240

atgacagaga atttgaaaac agcaggttca ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac agaatggcat aattgaaagg aaaaacagga 360

ctctgcaaga ggctgctagg gtcatgcttc atgccaaaga actttcctat aatctctggg 420

ctgaagccat gaacacagca tgctacatcc acaacagagt cacac 465

<210> 5058
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5058

tgtaatcgat tacacacata ctgtaatcga ttaccagagg agtttttcaa aaaacattct 60

caacagtcac atctttttat ctgattctta agtggccatc aaaagcttat atatatgtga 120

ctagagacac gaatttaaca agagttttta agaacaaaaa ggtcttatcc tcttaaaaag 180

caaaatcatt ttaccctctt acaaattcct tggccaaaac tcttgtgatt caataaggaa 240

ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc 300

ttcttcattc tgaaaaggga ttaagagacc gagggtctct tgttgtgaaa gaattctaaa 360

cacaaaggaa gggttgtcct tgtgtgttta gaacttgtaa aaggaattta caagatagtg 420

gaactctcaa gcgggttgct tggggactgg acgtangcac aagggtgtgg ctgaaccagt 480

ataaatctga gt 492

<210> 5059
<211> 446
<212> DNA
<213> Glycine max

<400> 5059

tcacaaaatt cttattcaat gcaattccag cctttgcatt taaaatactt gatctagaac 60

aataatttaa aaaaaaggtt aacagaccaa tcactaacaa gaaaatgaat aatgtcaagt 120

tgtcaactta aaaaaggcaa ttgtgttcaa taactttaca gctgttaaca taatttatac 180

ctgttatcac caacaaagtc ggtggagacc acatcatctt cagtgtaacc aagaattccc 240

ttcaacttgc cctctgattc ctccctgaga aagacaacat tatataagac aatacaattg 300

agaaggacca atcccaaaat ggaggccttt attaataaca agtaatgaaa atttgcttta 360

agacccaata atacacaaca tatatcatta gaggagaatc aaagaattct gtcattactt 420

gatagcattt ttaatttcat catatg 446

<210> 5060
<211> 441
<212> DNA
<213> Glycine max

<400> 5060

taaacattca atttcgagcg tctcgatata ttacgggact catatcttac atccgagtaa 60

aaatttattg tcgtttgaat tggctcagag gttcaacatt caattttgag cgtctcgata 120

tattacggga ctcaataaga catccgagta aaaagttatt gtcgtttgaa ttagctcaga 180

gctttaacat tcaatttcga gcgtctcgat atattacggg actcaatcag acatccgagt 240

aaaaagatat tgtcttttga attggctcac aggttcaaca ttcaatttcg agcgtctcga 300

tatattatgg gactcaatca gacatgcgag taaaaagtta atgccggttg aattggctca 360

taagttcaac attgaatttc gagcgtctcg atatattacg ggactcaatc agacatccca 420

gtaaaaagtt attgtccttt g 441

<210> 5061
<211> 407
<212> DNA
<213> Glycine max

<400> 5061

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atatatcgag acgctcgaaa ttgaatgttg aagctcagag caaattcaaa cgaccataac 120

ttttttctcg gatgtttgat tgagtcccgt aatatatcga gacgctggaa attgaatgtt 180

taagctatga gcaaattcaa acgacaataa ctttttattc ggatgtctga ttgagtccag 240

taatatatcg agacgctcga aattgaatgt tgaaactttg agcgcattca aacgacaata 300

actttgtact cggatgtctg attgaatgac gtaatatatc gagacgctct aaattgaatg 360

ttgaacctct gagccaattc aaacgaccaa aacttttac tcggatg 407

<210> 5062
<211> 521
<212> DNA
<213> Glycine max

<400> 5062

agctttgaat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60

cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120

gaagatgtcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240

gggagagagg ataacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300

atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagttga 360

tgaactcatt ggttctcttc aaacctttga gctaggactc tcggataggg ctgaaaagaa 420

gagcaagaat ctagctttcg tgtccaatga tgaaggagaa gaagatgagt ttgacctgga 480

tactgatgaa agtctgacaa atgcagttgt gcttcttgga a 521

<210> 5063
<211> 619
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5063

tatctgtaaa atcttctagt cctccatata tgtgtgcttt ctctcctcat atgtattgct 60

taaattaagg gatttatttt atgcattatg ctctatatta aaccttcttc aagattcatt 120

tgcatttatc aatattcatt atgcttacta cctctggact gatataaaca accaaaaaaa 180

tgactgacgt aaatataaac aaatttaact acttttgccc tattataatg atatcatacc 240

aaaaatаccc ttcaattaaa agatatcata ttttcaatga ctccttttta ttcttgattc 300

aagttccaat gaaggagact ttatgaaaaa catttttta aatgtgatta gtaggattaa 360

attatgttaa ctaaatggtg tgaagttagt taatttttct tgtatttcag tcccgaggga 420

atattattta ctgtgtagca cgaattcctt tntaacccaa ggttgtcaat tttaagagag 480

tatgtataag cgcaaccttt taggagctta gcgcatatcc ttgcggcaga tgttcaactt 540

agcgggcact ttccagcana gtcaattctg cagaagctga atttctgtaa cttccgctta 600

gtggctccac atatctcta 619

<210> 5064
<211> 528

<212> DNA
<213> Glycine max

<400> 5064

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atgcgcagtg gccaaagatg catgggagat cctgaagacc actcatgaag gaacctccaa 120

agtgaccatg tccagattgc aactcttggc tacaaaattc gaaaatctga aaatgaagga 180

ggaagaatgt attcatgact tccacatgaa cattcttgaa attgccaatg cttgcactgc 240

cttgggagag agaatgacag atgaaaagct ggtgagaaag atcctcagat ccttgcctaa 300

gagatttgac atgaaagtca ctgcaataga ggaggcccaa gacatttgca gcatgagagt 360

aaatgaactc attggttccc ttcaaacctt tgagctagga ctctcggata gggctgaaaa 420

gaagagcaag aatttggctt tcgtgtccca tgatgaacga taagaatatg agtatgacct 480

ggacactgat gaaagtctga ctaacgcagt ttggcttctt ggaaaaca 528

<210> 5065
<211> 504
<212> DNA
<213> Glycine max

<400> 5065

agcttgtgcc tcttcacgtc tggaatatga atgtagcata tagatccaaa gacccttagg 60

tgctttgctg atggcttcct cccgttccaa gcttcaattg gagtcttgtc ttttacagac 120

ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgctttagc ccagaatgtg 180

ttaggtactt gagcatcgat ctagccatct ccataactgt gcgattcttt ctctcggaca 240

ctccattttg ttgaggagga tatgcgactg taagttgtcg ctcaattcct tcatcctcac 300

aaaatctttc aaactcgcga gaggtgtact ctttgtcgcg atcacttctt agtactttta 360

tccgttttcc actttgattt tcagcaaggg ccttgaactt tttgatactc caaatacttc 420

tgatttttct tttagaaaat atacccatgt cattctagag aagtcatcaa tgaagagtat 480

gaagtacctg gttgttccat gtga 504

<210> 5066
<211> 576
<212> DNA
<213> Glycine max

<400> 5066

tgaaccttga ggaagaaatt tcagtgtcac atgcatgtca ttgaaacgtt gatttggcac 60

caaatgaccc tatgctttct ttagtgggag ggaagttcca tgcatgtggc attaagagct 120

atgaccgtgg agttatttgt tggggattta tcatcaaacc aagttcacca tctcctaaag 180

ggattaaggt ttttgaagtt gctgctggtg attactttac ttgtgcagtt cttgctgaca 240

aatctcttat gcctttatgt tggggtgttg gctttcccac ttctcttcct ttagctgttt 300

caccaggaat gtgccaacct tctccatgtg ctcctggctc ctatgcaatt gataagcata 360

agagtctttg caagtcaccg gattctcgtg tttgcatgaa gtgcagtggt gcttgtcctc 420

ctgaaatgta tctgaagagt gcatgcaatt ttgcatatga tagaatgtgt gaatataact 480

gttcctcttg ttcttcatct gaatgcttct tgaactgctc ctcttcatat tccaatgctg 540

ctgcttctac tgagaaaaaa agtgaaaaaa ttgggc 576

<210> 5067
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5067

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gcaggttgaa agccttggag gaaagaggta tgcctatgtt gtgttggatg atttctccag 120

atttacctgn gtcaacttta tcagagagaa atcagaaacc tttgaagtat tcaaagagtt 180

gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcagga gtgaccatgg 240

cagagaattt gaaaacagca ggttcactga attctgcaca tctgaaggca tcactcatga 300

gttctctgca gccattacac cacaacagaa tgggatagtt gagaggaaaa acaggacttt 360

gcaagaggct gctagggtca tgcttcatgc caaagaactt ccctataatc tctgggctga 420

agccatgaac acagcatgct acatccacaa cagagtcaca cttagaagag gcactccaac 480

cacactgtat gaaatctgga nagggaggaa gccaactgtc aagcacttcc acatctttgg 540

aagtccatgt tacatcttg 559

<210> 5068

<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5068

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tgtccttctt tgtagcaatc tggagtcaat gagaaacctg aagcttatgc tgtaaacatt 120

tataatagac ctcctcagca acanaactaa caacagcaga ataattatga cctttcaagc 180

aatagatgca atctaggttg gaggaatcat ccaaatctga gatggacaag tnctccgcaa 240

caacaac 247

<210> 5069
<211> 250
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5069

ccttcacccg acgaagacac tgacananac ttatcttctc cttcttggac aaagtatggc 60

aggctgnggg gcaagtaaat ttcttcccat cagaccttgg atgcaactat gatcgtatac 120

ccatatcagc tacatcttga cnggtattca agccatcctt tgtcttgcct ttgaatgtaa 180

ggaacgtccc aatgacacta tcacagacat tnttctccac atgcataaca tcaatacaat 240

gtctaacgtc 250

<210> 5070
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5070

tctataaatc tataaagttc tntcaaatat tttataattt taaaatatat atccattaaa 60

atccanacct aaaaatctta atcctaaaag tcnttttaaa aatctaataa gtcaaaatat 120

ttctacataa tcttttaata tctaaaagac tnnttttata ctanaatagt cttttaaaat 180

cctatacccc ttttatattc cttcanagtt ttttaanatt cataaaattt taataaaaca 240

ttaaaataat attttanaat catatggaat acattatgat aaaataaata accatgatac 300

acgaaccatt acacagtaac atccacccat gagccaccta cctatgtgga catttttaaa 360

tcattcaatt agttttt 377

<210> 5071
<211> 236
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5071

caccatcaat aagtatacat cgttcataag ggtccaccac ttgaaagagg gctngcacca 60

gcgtagaatt tccattctct gtcctgtcta ctataccaat tgtcttttgt cctgcgaaga 120

tacaagtaac atctttgagg accatangag cagcagggtc attctgtata tgaagggtat 180

gaagttcaac tnttccctcc tttggccact ctggttcatg cctgcaatct tgaatg 236

<210> 5072
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5072

actcggatgt ccgatgagtc tctgttatat atcgacacgc tcganatnga atgttgaagc 60

tctaggccta ttcaaacaac aataacgtnt tactcggatg tccgattcag tgacgtaata 120

tatcgggacg ctcganattg aatgttgaac ctctgagcca actcanacga caataactnn 180

ttactcggat gtctgattga gtcccgtatt atatcgagac gctcgaaatt gaatgttgaa 240

cctctgagcc aattcaaacg acaataactn tntactcgga tgtctgattg agacccataa 300

tatatcgaga cgctcgaaat tgaatgtnga acctctcagc caattcaaac tacaantaac 360

ttttactcgg atgtccgatc agtgacgaat atatc 395

<210> 5073
<211> 240
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5073

tgtccgattc ggggacataa ctcatctaga cgctcgaaat tgaacaacgc aagctctcga 60

gaaattcgaa tggtcataac atttcgcaca aatgtccaat tctgggacat aatatatcaa 120

gacgctcgan actgaatagc ggaagctctc gggaaaatca gatggtcatn aactttcaca 180

tggatgntcc gattgtgaaa ataatatatc gagatgctcc aaatcgaaca acgaaagcta 240

<210> 5074
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5074

gcgatccttg agtcacctgc ngcatgcaag cttgtaatcg attacacata tactgtaatc 60

gattgccaga gcatattttc agaanatatt ctcaacagtc acatcttttt atatggctct 120

tgaatggcta tcaaaggcct atatatatgt gacttgagac acgaatttgc taagagttnt 180

tcagaacaaa aaagtcttat cctcttataa agaaaaattg ttttatcctc ttacaaattc 240

cttggccaaa ctacttgtga ttcaataagg aatttttgag tgctcaaact gttcaatcta 300

tctcttt 307

<210> 5075
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5075

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ccaacttgct ccacatagtc ctccaaaaat ggcttatgaa cttagagtcc ctatcactaa 120

caatgctcct tggcaaccat ggagtctcac aatctccttg aanaacaaat cagccacatg 180

ggaagcatca tcaactttnt tacatggaat agaatgagcc catttagaaa acctatcaac 240

aaccacaaaa atggaatctc tacca 265

<210> 5076
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5076

caacacgaac aacaggtgag acaganaact tcatagctct aatgggatgg gcatcaactt 60

ccttttcatt agtcaaagta gcattctttg gtatgaactg atccatacca accatagcaa 120

cagtgttacc acaggggaca tcttccacag tttcctgtct ttttcccatc cacatgacag 180

ttctttgaac acttttaaca tacaaatcct tcttctcccc acggacataa tatggtccca 240

taatcctcac c 251

<210> 5077
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5077

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ctatagtaac atctgagtct gcatttagca tacgtggaag ggtgctcgat ccatttcgta 120

gttctctatc acatgaaaag ccagaggccc ttatctgtac acaagaatgg ctcanagata 180

caccttcacg caccatttta gacttcgatt tggaagagct tcaaagtttc gacaaacgta 240

tattgttttc ccaatttgta gtaataatat aattaaaata tttattgagt aaca 294

<210> 5078
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5078

aactcggatg tccaaatgaa acccgtatta tatcgagacg ctcgannatt gaaacagaag 60

ctcgtagcaa atgcaaacca caataactnt ttactccgat attcgactga gtcccgaatt 120

atatcaagac gctcgaaatn gagaacagaa gctctaagca aattcaaacg acaatacact 180

ttaactcgga tgtccgaatg tgtgctatag tatatcgaga cgctcgtaat tgagaacaga 240

agctcgtagc acattcaaac aacaacgtaa ttttacacgg atgtcctgtn gagtcgcata 300

atatatcga 309

<210> 5079
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5079

acatgggaaa catntataat cttgaatatt ntataataaa atatattntg gtaggtctct 60

atctaaaaat atattatatt ttttttcaca aaccacgaat atctntccta aaagccagtg 120

gttaatgaat attgattcct atgactcana tctgatgtca ctggttaaat taaaataatg 180

ttatgtcaat ggattcaagc actctatngg tntatataat atctttgtta tcatttcgga 240

aacatataat tatgaaattt ttatcatatt ctatcttaat atatctggta gataacattt 300

aattttctca caaacaggat atataaatct taatttctat tattt 345

<210> 5080
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5080

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cacatgttgt aagtggacat tctttaatgt attcatacta tacagtatcc atggcagcca 120

gaattcattc atgagaccaa ccctcttgtc tgtctgtngc agtccttcct ttgtcagttn 180

tcgcactttg ctaatcacaa atgtctgctc tcaaaacaac taaattattt tattattgga 240

tcaataccta taagaaaaaa gagagcagtt attgttaaga ataggaacaa cataccaaat 300

atatcagttt caactatact aaattcacaa ctctctaaca t 341

<210> 5081
<211> 231
<212> DNA
<213> Glycine max

<400> 5081

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tagaagcatg atccccagtg aataaatatc agatttgatt ccagcatgct cgtttgctga 120

tactcagggt caatgtaaac agaaagtcca gcagttgatg tcatgcgata ctgtgtcact 180

gtgtctgcaa ctgtaggagg gacaagcctt gccaatccca catcactgat c 231

<210> 5082
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5082

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cacctctgtc aatgatattc ttcatgcctc ttaagtgcag atgtccaaat ctttgatgcc 120

atattctgac ttcatcttct ttggaggata gacatgtgga ggagtaactg gtttcttgag 180

gtgtccataa gtagcagatg tcctatgatc tgctgccctt cattagaact tcactcttct 240

catttgtcac caagcattct gacttttgtg aagttacatt tgaatcctta tcacacagct 300

gactgattgc tgatcaag 318

<210> 5083
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5083

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ggtgattttc caccatggag atgcagcgga agataaagga gaagaggtga gaggaggcgc 120

catctactat gatgcaagct ccattggagc ttgtaggcct aggatcttct tcatcaatgg 180

attcctttgc ttcttggaag ataaatggca gcggaatgga gaaggaagag agagaggaga 240

cgccacttca aggagaagat gagtctagaa gaagctcacc accataggag gccatggata 300

agagcttgga ggaagaagga gatgaatgaa gggagaggga gagaagagca cgaaattntg 360

tgctcaaaag gagctctgaa atctgaagtt aatattcaaa tgatncaaag tgaaaaaaat 420

acacacacat ga 432

<210> 5084
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5084

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agtccctaga ggacctttg agggcatgtg tcttagagaa aaagggaatt tgggagagtt 120

ttcttccatt gatagagttc actcataaca atagttttca ctctaccatt ggcatggctc 180

cctatgaagc tttgtatggt aaaaggtgta tgacacccct atgttggtta gagcccggag 240

aagacctcac cttatgacct gaagtggtat aacaaaccat cgagaaggtc aagttgatcc 300

aagaaaggat gaggactgct tanagtanac agaaaagtta tcagaataag aagaggaaag 360

acctggaatt cgaggttggt gatcatgtat tcttgagagt cactccatgg act 413

<210> 5085
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5085

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tgagaacccc attagttggt ccatataaat attctcctct aaatctccat ttagaaaggc 120

agttttcaca tccatctgat gtagctccaa gtcataatgg gctactaatg ccatgataat 180

cctgaaagaa tcctttcgtg agaccggtga aaacgtctct ttataatcaa tgtcatcttt 240

ctgagcaaat tccttagcaa cgagtctagc cttgtaacgt tcaaggttgc catgagagtc 300

acgcttagtc ttgaagaccc acttacaacc aactctctta caatcctttg gtaattctac 360

aaggttccaa acaccattat gttccatgga aattatctct tctttcatga cattaaacca 420

cttctcagaa ttatcacann atatagctng tgaaaacaaa acttgatcat tatca 475

<210> 5086
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5086

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tattgaaaag ctagtaaata cttggaaaat atccatttgc aacatgttgg tataaaaaag 120

taacaacgat aataaaatta attaaggcgt acccaacaag ctttctcttg ctttgaaaag 180

tcattaatcg taatgaaaaa taacaattaa acaacaatta ataaaagaga agtcaagctt 240

attgaaaagc tagtaaatac ttggaaaata tccatttgca acatgttgga gtaaaaaagt 300

accaattatc tcactaatga aacttatata taaaaaacat taataaatta atcaacatgc 360

acctttcaat aagcgataat aaattaatca nagcgtataa ctagagacat g 411

<210> 5087
<211> 437
<212> DNA
<213> Glycine max

<400> 5087

tggaaatgaa caacggaagc tctcgagaaa ttcatatggt cataacttat cacatggaag 60

tccgattaag gcgcataata taccgagacg ctcgaaattg cacaacggaa gccctcaaga 120

aattcaaatg gtcataactt atcacacgga agtccgataa aggcgcatag tatatcgaga 180

atcttgaaat tgaacaacgg aagctgtcga gaaattcaaa ttgtcataac ttatcacacg 240

gaagtccgat tcaggcacat aatatatcga gacgctcgaa attgaacaac gaaagctctc 300

gagaaattca agtggtcata acttttcaca cggaagtccg attcaggcgc ataatatatc 360

gagacgctcg aaattgaaca acagatgctc tcgagaaatt caaatgatca taacttatca 420

cacgtaagtc cgattct 437

<210> 5088
<211> 426
<212> DNA
<213> Glycine max

<400> 5088

agcttgaaat tgaacaacag aagctcacga gaaactacaa tggtcataac atgtcacacg 60

gaagtccgat tcaggtgcat aatatatcga gacgctcgaa atagaacatc ggaagctctc 120

gagaaattcc aatggtcata acttttcaca cggaagtccg attcaggcgc ataatatatc 180

gagaagctgg aaattgaaca acgaaagctc tcgagaaact caaatggtca taacttgtca 240

cacggacatc cgattcaggc gcataatata tcgagacgct cgaaattgaa caacgtatgg 300

tgtcgagaaa ttcaaatggt cataacttgt cacacggaag tccgattcat gcgcataata 360

tatcgagacg cttgaaattg aacaacggaa gctctcgaga aactcaaatg gttataactt 420

gtcaca 426

<210> 5089
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5089

agcttgagaa tggaggattt ccttgagggt cctctcttat gcaatcatgg aacacagctc 60

caaactcaaa aatggaggac acatgaatga caacgcaatt cattcatggg gctccgaaaa 120

agggtaagaa tggaggattt gcttgagggt cttctcttan gcaatcatgg aacacagctc 180

caaactcaaa aatggaggac acatgaatga caacgcaatt cattcatggg gctccgaaaa 240

agggtgagaa tggaagattg ccttgagggt cctctcttat gtaatcatgg aacacagctc 300

caaactcgaa agtggaggac atatgaacag ccctcagcaa taacattcat gtggccctgg 360

aaaagaatga gaatggagga tt 382

<210> 5090
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5090

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tggaagttct tgagaaattc aattggtcat aacttttcac tcggatgtca gattcaagag 120

caaaatatac agagacgctc gaaattgaac aacggatgct ctctagaaat ttaaatggta 180

aaatttttc acatggatgt tatattcaga cacataatat atcgagacgt tcgaaattca 240

agaattcaaa aattaaagtt ctcaagaaat atagagatga aaaattatga ccatgggtgt 300

acgattgaga cccatgatat atcgatatgc tcaaaattca aaaattggtc caattcaaaa 360

attcaaagag ccctaacttt tgacatgggt gtacgat 397

<210> 5091

<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5091

ntcgcaaggc ggggatgttc atgagcatat cagttcgttg tcgtgtagtc atgatctaca 60

taatgtcaga tcatattact ttgtatgtat gacaaaaatg aaaccaagat ttttggacct 120

ctcatttata gttatacaag gttgcatacc tccatgcttg ttccatcctt agctatctgt 180

tgtgatggag caaattcaac aatataatca gttacagata gaagccactc aatttctttt 240

ctccacctgg cctttctttc tgaggacatt ggctccagct ttgattgttc tccgaaaaca 300

gatgctgcat tgaatcagga aacaaattat tgaatggaaa tttcattgag acttgagaga 360

tcacatttca gttagtcaca gttataatat gcatgtgctt gaatntgaat tgagatgact 420

acactatcta ttaattntat agaaatcaag ccccatgatn gaaatcacac t 471

<210> 5092
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5092

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cccgatgaag acactgacaa aaacttatct tctccttcct tgacaaagta tggcaggctg 120

ggggcaagta aattttcttc ccatcaaacc ttggatgcaa ctgtgatctt atacccatat 180

cagctagatc ttgacgggta ttcaatccat ccttcgtctt gccttgaatg ttaaggagcg 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaagatc acaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360

tctgacnttt atccttcttt tgggtcttcc caaatacaat gttcaagtgt tgaacccgct 420

gatatacctg ctcaccanng aacggtttcg gcgtaatatc atgc 464

<210> 5093
<211> 429
<212> DNA
<213> Glycine max

<400> 5093

tctattggat gtgatgacaa taagtatatc actaattatt ttataaaaat cgcggaaaag 60

gattatagac tcacaaattt aatccgaatt gattatatat aattgagctt atttggttta 120

agttttaact ttctttcttg ttcattatag aagattatta tatattttta agtcttttat 180

ctatattcat tgcctttata tataaacttt taaatctata ttaatatagc ggcaaatata 240

ttttactcat taataatact caaatatatt ttatttaaca tctagtatta tttgtgctta 300

tcagtgctat cacattacat gtctcattat ttttttaatc caaaatatga tagaattatt 360

accgaactta tcagtgatat cactatacgt gtctctttat taaactaaaa ctagagcata 420

ttaataaac 429

<210> 5094
<211> 316
<212> DNA
<213> Glycine max

<400> 5094

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tgtggttttc caatctagct tacattctgc aaagttagaa tatgaaaatc caattaaact 120

caaggaggta cctttggggt accttaaacc aacattggtt gtgcccttaa agtacttaat 180

aatccttttg acaacattta aatggtattc cttgggattt tatttatatc tttcacatat 240

gcacacactt agcatgatgt caagttggct tgtagtcaaa tatatgagat aaccaatcat 300

acctctatac tttgac 316

<210> 5095
<211> 456
<212> DNA
<213> Glycine max

<400> 5095

aagaactatt actattgaag aattaattca tgttattttt tatgagacta actctattag 60

gccaagaaag gatatacttg atgatattac agatacttta gaagatacgc atattcatga 120

agaagtccac aaagacaaag aagatggaaa tagtagagac tctcaatcca aagaaaatca 180

aataaacgtg gatcttccaa cggagtggag aacttcaagg tatcaccctc ttgataatat 240

cataggtgac atctcaaaag gggtaacaac tcgacacttt cttaaagatg catgcaataa 300

catggctttt gtctctttaa ttgaacctaa aaacataaat gaagccataa tcgatgaaca 360

ttgaattatt gctatgcaag aagaattaaa tcaatttgaa agaaatcaag tatgggaatt 420

agttgataga cccaatgatc atccaattat tggaac 456

<210> 5096
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5096

ntctgcaggg aagctaagtg tgaagtatgc aatcctgcat atgattggcg ctgcaaactg 60

ggtacccacc aatcatactt ccactgttgc cacaggtttg ggtaaatttc tgtatgctgt 120

tggaaccaag tccaaattta attttggaaa ctatattttt gaccaaactg ttaagcattc 180

agaatctttt gctgtcaaat tacccattgc cttcccaact gtattgtgtg gcattatgtt 240

gagtcaacat cccaatattt taaacaacat tgactctgtg atgaagagag aatcggctct 300

gtccctgcat tacaaactgt ttgaggggac acatgtccca gacattgtct cgacatcagg 360

gaaagctgct gcttcaggtg ctgtgtccaa ggatgctttg atngctgaac tcaaggacac 420

atg 423

<210> 5097
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5097

agcttattct ttatctagag tagttgagca caacaactta ctactgacat atattcgact 60

ttagtagtgg acaatgtagt tgagccttgc atcttgcata ttcatgttac taagttagca 120

ccgataaagt aatagcttcc actagtgctt tttctttcaa ctttatcacc aacatagtca 180

acatcataat agcttgtaag tctgaaactt tctcttcttt tgaacataag accaagatta 240

gaagttccaa ttaaatatct acaaatatgt ttaattttag ttaggtgaac ttccctttgt 300

tctttttgaa atcttgcaca tagataaaca ttgaacataa tatcagaaat ggatgcagtg 360

agatagacca gtgagttgca tccactttnn ttgatccttg tccaatccaa ggtatgtcat 420

ggtgtgcatn ggagtcttca tt 442

<210> 5098
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5098

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catatttata agagaccaac caaacacaaa gcaaccacag cttataacac ccgtaacaaa 120

tcctagaaca tttgaatttg caaaggcggg ccatgaccac tttattctaa aacttcaaac 180

acaacacata cttattattt attgatacat gtattacagc tatctctgct tgaaggttat 240

gcatgttgat ctcacttgca gctgcatggg tcgcaagtgc agtttgatcc acagttgcag 300

ccaccgttct cagctgcaac acccatttca gcaccctcga attgggcctt caccggccca 360

acacccaaaa ctagagtctc atttgtgatc ttctcaacgt agtcaaaaga gtacttgttg 420

caactgcaat acatganaaa ttaacataca taaggttggg gaaaaca 467

<210> 5099
<211> 351
<212> DNA
<213> Glycine max

<400> 5099

tcctttactt gtactcattt ttattgcgtg cggttgtaat ccaactgccg ggcatgttca 60

gaacaaccag ttgaatccag tatggaatga gcactttgaa ttcattattg aagatgcgtc 120

aacgcagcac ttgacagtaa gaattttcga tgatgaaggc gttcacgctt ctgaacttat 180

tggctgtgcc caagcttcct tgaaggatct tgaacctggt aaagtcaagg acgtatggct 240

taagctggtt aaggatttgg aggtccatag agataacaaa tacaggggtg aggtaagata 300

gtatgttctt agtgtcttcg caactttcat ctagcattct agctgatcaa t 351

<210> 5100
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5100

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ataatagcat catttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa 120

ttcctagctt cagcaggggt catatcacca agagctccac cattggcagc atcaatcata 180

ttcctatcca tgttgttaag tcccctcatag aaatattgaa gaaggagttg ctcagaaatc 240

tggtggttag gatagcttgc acacaatttc ttgaatcttt cctagtactc atacaagctt 300

tctccactaa gttgcctgat gcctgaaatg tcttttctga tggcagtggt cctagatgca 360

gggaagattt tcttcaagaa caccctctta atgtcatccc agctgaaaac ggacct 416

<210> 5101
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5101

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gacactaaca caagtatcgc cgtcaagaga ttatagacaa ttgctgatga aggggagagg 120

gaatctcgaa ctgaaattac tgccattgct cgaacacatc ataagaattt ggtgaagctc 180

attggttttt gcatcaatgg agctaggaag cttcttgttt atgaatatgt cagcaacggg 240

tctcttgcaa gtcttctctt caatgatgag aagcacatgt cttggagaga cagactaaaa 300

atcgccttgg atgtcgctag aagagtccta tatctacatg aagagtgtga gggccgtatt 360

attcattgca gataaatcct ctaaatatac ttatggat 398

<210> 5102
<211> 419
<212> DNA
<213> Glycine max

<400> 5102

agcttgggga gctaggaaga ctctctgcat tattgaagaa gttagagaaa gatctcaaga 60

acaagaataa atacgatgta tgttatccat tcttgtggat aaattcttca aactttctgt 120

tatgggtttc tttggactgt gattgcctta cttttgtatg tgtattggtt acctatatat 180

ggctgcagga tgagcaatac cgtgccaaac taaacaagtc aaatgagagg actctatcac 240

ttatcaaagc aggaattgat actgtggtag cagtaggact gcttcaattg gcacccaaga 300

cagttactcc tcgcgtaact ggggcttttg gatttgtttc gtctctaata tcttgctatc 360

aggtacctgc tagtataatt gtagtttaat tccgttgtgc ttctattttc ctatcctat 419

<210> 5103
<211> 437
<212> DNA
<213> Glycine max

<400> 5103

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agagggtttc atactcaact ttattattcg tcatctcaaa ctcgaacctt agggattgct 120

ctaggattac ttcacctatg ctttctagga tgactccagc cctactccct tttttcattg 180

gatgaaccat ctacgtatag cttccacctc tcagattatg gttctgtagt ggttgtcatt 240

ttggctatga agtttgctag gcactacgcc ttcattggac ctattggctc atatttaagc 300

ctaaacttgg acaacttgat cgatcaggct atcattcgac tcgtgagttc tggtttcttc 360

ataactgttc agatagggtg gtcagttcaa accacaatct aatgactttg gtaggaagta 420

tgggtctagt ctcctac 437

<210> 5104
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5104

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gtacagtggt acgcccaggg tatgttgtag agttcttctt tccataggcc cttagactta 120

tcgagtctag tacgcagggc cctgaggatg actctgttag ctgcctctgc ttagctgtta 180

gtatgaggat gttcgacaga ggtgactagg tccttgatgc ctagccttgt taggaagtct 240

tcataagtgt gagctctgaa ttgaggttgt tgtcggtgac aatggtgtat gtgaggtcgt 300

acctgcatat gaggggtttc taggtgacta tttccacctc gttggctggt aatttac 357

<210> 5105
<211> 394
<212> DNA
<213> Glycine max

<400> 5105

agcttgagct aaaaggtttc tccacataat tttattaata agaggctcag ttctacccac 60

tggccttttc tccattaact cctttgtagg cctttctgta gctagtgcca atgctcctag 120

agtatccata atgagattta cccataatag ttgaactgtt gttaggggaa cgtctcccga 180

agaaactgct gcaataaaat tgatcactag tgctgcaaca ttcacggtta gttgaaactg 240

gatgaatttc tggatgttgt tatagacaca tctcccccac cttaagacag tggcaacaga 300

attgaagttg tcatctaaga tcacaatgtc agaactctcc ttggcaactt cagttccttg 360

gatccccata gagagtccaa tatcagcttc tttt 394

<210> 5106
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5106

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catctagacg ctcgaaattg aacaacgcaa gctctcgaga aattcgaatg gtcataacat 120

ttcgcacaaa tgtccaattc tgggacataa tatatcaaga cgctcgaaat tgaatagcgg 180

aagctctcgg gaaattcaaa tggtcataac ttttcacatg gatgtccgat ttgggaaaat 240

aatatatcga gatgctccaa attgaacaac gaaagctatc gagaaattcg aatggtccga 300

acttttcgca cggatgtccg attcggggac ataactcatc tagacgcacg aaattgaaca 360

atggaagctc tcgagaaatt tgaatagtca taagatttca cacggatgtt cgatttgggg 420

aaatatat 428

<210> 5107
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5107

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ctctatttca tatattggct tgcctagtat agttgctact gttaataata actcttgtgt 120

ggtttccaat tctgttgttt cttcttctag tactcctagc ctttggcatt ctagattagg 180

tcaccctaat ggtcatgtaa tgaaactagt cttcaatcat tgtaacattt ctccatcaaa 240

taaaaatttc tcaggttttt gttcttctag ttgtatggga aagtctcata gattaccatc 300

tcacactttt gtttttgttt actctccttt ggagcttatt ttcacatatt tgtggggacc 360

ttctcatttg acttcatatg ctggttataa atattatgta tcctttattg atgnttttnt 420

ccaagtacac ctggatattt cttatcaagt ctaanggtga aactctnntg ttttcaagct 480

tntaaatcta tg 492

<210> 5108
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5108

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tggtgcctcc cctatcctct tctcctttgc cttccgctgc atctccatgg tgaaaaatca 120

ccattgaagg acctcattga agctcaaaga tccagcctcc atagaagctc cacaagcaag 180

cttccatcat gaatgaagtg atttctaatg ttagtgtgtt tagtcctctc atgatggact 240

tgatccttgg caaaacaaaa tgcatttaga cagtggcaaa aaatgatatg cctctttttg 300

tggaaaccca agattgctaa ttagaccctt cagccaagtt cattccttta ctggttcttc 360

caacgccatg tactctacct gtgtaatgga taaagccacc atgggttgaa gtgtagtctt 420

ccaactgagt agagtgttgc ttccatgtnc ttcatctcaa attactactt agt 473

<210> 5109
<211> 133
<212> DNA
<213> Glycine max

<400> 5109

tattgcaaga gaatgaattt agcacctgat caatgaatta tacaagcaac ttctcaccac 60

gatcacgctc cccggatagg gaggctgtct ccatggcatc tttgtaaggt aatccttctt 120

tgacaaacaa tat 133

<210> 5110
<211> 432
<212> DNA
<213> Glycine max

<400> 5110

agcttcttag tctcagctga tgaagatgaa ttcatggcta cttcatgcac tcctctaatg 60

acaatagcat catttctggc actaaattgc tgggagttgg aagccatctt ctcaattaaa 120

tttctggctt cagcaggggt catgtctcta agggctccac cactgacagc atctatcata 180

cttctctcca tgttaccgag tccttcataa aaatattgga gaagaagctg ctcagaaatc 240

tagtggtgag ggcaactggc acatagtttt ttaaatctct cccagtattc atataggctc 300

tctccactga gttgcctaat gcctgaaata tcctttctga tggttgtgat cctggaagca 360

aggaaatttt tttctaagaa tactctcttg aggtcatccc agctcgtgat ggaccttgga 420

gcatggtaat at 432

<210> 5111
<211> 161
<212> DNA
<213> Glycine max

<400> 5111

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attatgcgcc tgaatctgac ctccgcgcga aaagatatga ccatttgatt ttcatgaaag 120

ctaccgctgc tcaatatcta gcgtcttgat atattatgcg c 161

<210> 5112
<211> 412
<212> DNA
<213> Glycine max

<400> 5112

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catttgcttc cagagtttca tggccttgca ggtgaagacc cacacaaaca tctgaaagaa 120

ttccatattg tttgctccac catgaaaccc ccagatgtcc aggaggatca catatttttg 180

aaggcctttc ctcattcttt agagggagtg gcaaaggact ggctatatta ccttactcca 240

tggtccatca cgagctggga tgacctcaag agagtattct tagaaaaaaa tttccctgct 300

tccaggacca cgaccatcag aaaggatatt tcaggtatta tacaattcaa tggagagagc 360

ctatatgaat actgggagag atttaaaaag ttatgtgtca tttgcccgca cc 412

<210> 5113
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5113

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cccatcttta atggagtggg ttaccactac tggaaaaccc gcatgcaaat ctttatagag 120

gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctatagtg 180

gccggaagtg caacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240

gtacaatata atttaaaggc caaaaatatt attacatctg ccctaggaat agatgaatac 300

tttagggttt caaattgtaa aagtgctaag gatatgtggg atacactaca agtaacacat 360

gaaggcacaa canatgttaa aagatctagg ataaacactt taactcgtga atatg 415

<210> 5114
<211> 271
<212> DNA
<213> Glycine max

<400> 5114

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ttcacccgat gaagacactg acaaaaaatt atcttctact tcttggacaa agtatggcag 120

gctgggggca agtaaatttt cttcccatca gaccttggat gcaattgtga tcgtataccc 180

atatcagcta gatcttgaca ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240

agcgtcccaa tcacactttc acaaacattt t 271

<210> 5115

<211> 386
<212> DNA
<213> Glycine max

<400> 5115

agcttcaaga ataatggtct catcaaactt cttattccta gaaggaaatt caattaatag 60

gcctcctatt tttaatggag aggattacca ttattggaaa acccgaatgc aaatcttcat 120

tgaggcaata gacttaaaca tttgggaagc catagaagta gggccttatg tacccactat 180

ggtggctgga aatgcaacaa tagaaaaacc tatagaagag tggactgaag atgaaagaag 240

attagtgcag tacaatttaa aggctaaaaa catcattact tttgccctag gaatagatga 300

atattttagg gtttcaaatt gtaggaatgc taaggatatg tgggacactc tacaagttac 360

acatgaaagc acaactgatg ttaaac 386

<210> 5116
<211> 436
<212> DNA
<213> Glycine max

<400> 5116

agcttcttat ccaaagctca tcttggtggt gaagctcctt cttccatggc ttattcctta 60

atggatggcg cctcctctca cctcctttcc tttgtcttcc gctgcatctc tatggtggaa 120

aatcaccatt aaaggacccc attgaagctc aaagatccaa cctccataga agctccacaa 180

gcaagcttcc atcatagggt gacgaaagtg gtcttttcca catcttcggg tgccattttt 240

atttggttat accctgagaa accatccata aatgagaaaa gggcgaactt agctgtatta 300

tctactagta tatcaatgtg tggtaaggga aaattgtctt taggactggc tcggtttaaa 360

tcccgatagt caacgcacat ttgcactttg ccatcttttt ttgggacagg gacaatgttg 420

gctacccact ccgggt 436

<210> 5117
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5117

tcttaacatt caaggcaaga caaaagatgg tttgaatact catcgagatc tagctgggat 60

gggtatacga gaccagttac atccaaggtc tgatggtaag aaaatatact tgcctctagc 120

ttgtcatact ttgtctagaa aggagaagat aagtttgtgt cattgttttt gccatgtcaa 180

agtgtctcgg ggattctctg gaagcaatgt cttccaaggt tattttgatg atgtcaaaga 240

atcaagagtt aagcaaagtt tcaagcaaag attcaagaat caagtttcaa gattcaagac 300

tcaagaatca agtttcaaga atcaagattc aagaataatc aagatcaaga ttcaagactc 360

aagattcaag aatcaagaag aagactcaat caagataagt attaaanagt ttttgaaaac 420

attgagta 428

<210> 5118
<211> 438
<212> DNA
<213> Glycine max

<400> 5118

agcttttcca tctagctata tgtgagtcga taaggagttt cattggttgc tatctggagt 60

gtacagtggt acgcccaggg tatgttgtag agttcttctt tccataggcc cttagactta 120

tcgagtctag tacgcagggc cctgaggatg actctgttag ctgcctctgc ttagctgtta 180

gtatgaggat gttcgacaga ggtgactagg tccttgatgc ctagccttgt taggaagtct 240

tcataagtgt gagctttgaa ttgaggttgt tgtcggtgac aatggtgtat gtgaggtcgt 300

acctgcatat gaggggtttc taggtgacta tttccacctc gatggctgta attttacgaa 360

gtgatcttgc ttttatccac ttggtaaagt agtcgatggc tactagtaag tatttgacag 420

ctcttgcgga ttatggca 438

<210> 5119
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5119

agcttaactc tcaaattccn cttcatccca tgctcttttg atataggcat tccttcatta 60

gggacaacaa cctcagcacc aggtttgaca atatctgtca atgggatcat gagactcctt 120

ccgtccaagg tggtgagatc caacgtttta ccagtaaggg cctcaagaag ggttatctct 180

tggttgatca ccaaatcatt accatccctt ctataaagag catgcggctt ctcatctatc 240

acaaaaatga gatctgctgg gatgacacca ggctcacggt tacctttctc tgggaaggta 300

atttttgttc ctttcttcca gccaggtttt atctcgatag tcaaaatctc ctccacatcc 360

ccacatttgc tg 372

<210> 5120
<211> 464
<212> DNA
<213> Glycine max

<400> 5120

tagtaaagct aagcactaac aatctcctct cttggcagaa tttgtctaaa acatacttag 60

acacttcctg agcaggtacg agcagttatg caagtgggat cagcaacttc cattatcaga 120

gtaatcaagc acagcggaat ctgtagtcta gacaagttgc aagtcgtttc caggatgtca 180

agacatctca catgacatct gctttctgct tctgctcccc ctgtctccat gcttactgca 240

gcatcttcta tcagctacta gtcttttcca ggatgtcaag acatctcatg tgacatcagc 300

tttctgctcc ccctgtcttc atgctcttac tagtagctta catcagtcat cattggcagc 360

agtctccccc tcaaagtcat atacatacaa ctccccctca aaatcatgaa tcatgcatac 420

atcgtatcct actgccatac atcatacata gtatcctact actc 464

<210> 5121
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5121

agctngatcc ctcaaaaaag gataacgtta atgaaaatag tgaaaacaaa ataattaaag 60

agatagttta ccttgatgtg gtttttgtag tatcccttca ccacaggatt tgtaaaaaag 120

tcatcctcag aatttatgga ctgtccctga ctccttgccc attccacata ctgtttcttt 180

ccacccatgt tctcatagtt attcaccaaa ctcaacacca tcttgatccc atattttctt 240

gcttcggcta ttgcgaaatc caagcccttt ttatttccaa tccaagaaaa caacagagtt 300

aacaaatggg aaatgaagtt ttgttctata cactattaga aaaaatacaa ttagatagaa 360

aaaaaaagta attttccgtc actaaatttg atcattaatc cattggtatg aaaatg 416

<210> 5122
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5122

nntgcttnca ttgtagccac ttaacctcag gacttattga gggtgatgaa ttaagaagaa 60

attctgatgt gatggagatt cttaagaaga caaggtttct acgtgtacat gatgctgaca 120

atgagaagtc tcccgagaca atcctcgagc atgagtatga atttacttgc atacatctta 180

gtataactaa tactcttaac atgtttatgt aatttgaggc cctccttgca ttttcctgtt 240

ttgcattaca tgttctaatt ttggatccat ttattttagt cgaattatat ggcttggaga 300

cttgaattat cggattgccc tctcctaccg ttttgctaag gcacttgttg agatgcaaaa 360

ctggagagca ttgttggaga atgaccatgt acgcctatat aactctgttc ttttaatatc 420

taatttttcta tcttttaact tcaactggat t 451

<210> 5123
<211> 426
<212> DNA
<213> Glycine max

<400> 5123

agcttatgtt gcaaacatct acaatagacc tcttcaacct cagcagcaaa atcaaccaca 60

acagaacaat tatgacctct ccagcaacag gtacaatccc gggtggagga atcatcccaa 120

ccttagatgg tcgaatcctt cacaacagca gcaacaacaa aaacagcctt attttcagaa 180

tgctgctggc ccaagcaaac catacgttcc tccaccaatc cagcagcaac aacaacaaca 240

acaatagccc cggaaacatc aaacagttga ggcccctccg caaccttccc ttgaagaact 300

tgtgaggcaa atggctatgc aaaacatgca gtttcaacaa gagaccagag cctccattca 360

gagcttaact aatcagatgg gacaattggc tacacagtta aatcaacaac agtcccagaa 420

ttctga 426

<210> 5124
<211> 343
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5124

agcttatacg acctatgatg tggttntgtg actaaattca atttagacac aagtctttca 60

cttgccatat tggtacaact ccctccatca atgatcacca tgcaaacttt gccattgatc 120

aaacatctag tgtggaaaat gttttctctt tgactttcct ccatagattt caattgatgg 180

ccaagtaacc gcctaatcat caacaattct ccctccggtg ttttctccac ttcctcctca 240

tcatcctcac tctcttctcc cttttcaact tcggactcac taatgtaatc tccatctcta 300

agaatcatgg ctntcttgtt agggaactca tatagcataa tgt 343

<210> 5125
<211> 348
<212> DNA
<213> Glycine max

<400> 5125

tgacgatccc tgtttataca tcaaaagcaa acatattggt gacaaaaatc actacataaa 60

aaagataaat cataaaaaat gcgaataaat aataatctaa aagatttaaa ccagataaag 120

aaactaccac cttctataaa atccaacaaa agtaagtcgg ttatcaatat aaagattttt 180

atatcaacta ataataaatc cttctagata taatccacct gttgttaggg tcaatctcaa 240

gcgctttctt aatatcaaat tcggccaagt ctaaatcagc caactggata tatgcctggg 300

cccttctata gagagccttc acattagtac tctcaaggtc cagtacct 348

<210> 5126
<211> 430
<212> DNA
<213> Glycine max

<400> 5126

ttaagtcacc tgcggcatgc aagcttccag attagtgtac caaatgaccg ctgctccagc 60

caagctatct tggaaaaagt gcattaacaa cttttcatcc ctagaatgca cccccatctt 120

gcgacaatac atcttgagat ggttcttagg acaagtcgtc cctttgtact tgtcgaaatc 180

aagtaccttg aattttgggg ggatgacgac gtctggtact aagcaaagat tcgccatgtc 240

cgcgaacgga taatcaccaa agccttcaac agctctcaat ctctctttga tgagatcgag 300

tttccttctt tcttccgttg ccggggatgg tccttctatg gacaagaata ttggctgtgc 360

tgggaggttg ggctgaggca gtatgttggg tgccggcccc tcgatgggga ccaggggta 420

gaaatcgatg 430

<210> 5127
<211> 416
<212> DNA
<213> Glycine max

<400> 5127

tatacttcat cactagattg ctgatgtgca tttccagcac tgtcgctgcg tggaagttca 60

tctcttacaa acactgctca gaagcataag ccagggcttg gatacagaag cgcaaacact 120

gctatcttgg actgaggcaa ccttttaaag atctcacata ggcattcatc tggcaaagac 180

tcaatagatg tcttatgctt ctgctcaaac cattctccac tgatatcaaa tggaacactg 240

aagcgagacc tcttctgaag aggaaggata acatgaactt gactgtcaag agacaagatg 300

agacacggct ccttcgggtt aggataaata ggaccaccat gactacaatc atcattttct 360

gacaaaccaa acatgtctaa agtcaagatg gcgacaaaac tgcacataaa taaata 416

<210> 5128
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5128

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tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120

gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccagtat 180

tcatagttgg ttccatcaag aattggtggt ctgttcactg gtcctccttc tttctccatg 240

ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300

aattgaaatt ctgataccag gggacagatg tcgtaccgga tgtcacgaca tcacgcttca 360

gaacatgcag attagatgcg tccgtatgaa cagattaaac aagtnaataa cacaagagga 420

ttgttaaccc agttc 435

<210> 5129
<211> 438
<212> DNA
<213> Glycine max

<400> 5129

agctagaact cttgcacctc cttgaagatc aactcatgac ttctcccaaa ctttggctgc 60

ataaaccttc tttggcccac catctttggc ctccaaagtg atggtgtaca atgaaccaga 120

aaccacttgc tgtttcgcag ttaccacctt ttcaaactcc aaaagggcat tctgcatagc 180

catttacaat tcaataaaaa taaaatataa ttcatatata ccacagaata aaaagataat 240

agaagcccgt tcgtggttat tgaaattgac cctaccaatc tatttattcc ttgacagtaa 300

tggaaatgca aatttatcct aacaatcaat taatttttgg tgaacaaaat tttgggggag 360

gggtgatgcc ccagaacaag acagataaag cctccgagct caaagaacat tcacagaaga 420

acttacattt accccact 438

<210> 5130
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5130

ctatctacta ctcaagctta tgctgcaaca tctgcgatgn acctgctaaa cctcagcaac 60

aaaatcagcc accacagaac aattatgacc tctgcagcaa caggtacaat cccgggtgaa 120

ggaaccatcc caaccttaga tggtcgaatc cttcacaaca gcagcaacaa caacaacagc 180

cttattttca taatgctgct ggcccaagca gaccatacgt tcctccacca atccagcagc 240

aacaacaaca acaacaacaa ccccaaaaac agcaaacagt tgaggctcct ccgcaacctt 300

cccttgaaga acttgtgagg aaaatgacta tgcaaaacat gcagtttcaa caagagacca 360

aagcctccat tcagagctta actaatcaga tgggacaatt tgctacacaa ttaaatcaac 420

aacagtccca aaattctgac agattacctt ctcaatctg 459

<210> 5131
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5131

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cccgacgaag acactgacaa aaacttatct tctccttttt ggacaaagta tggcaagttg 120

ggggcaagta aattttcttc ccatcatacc ttggatgcaa ctgtgatcgt atccccatat 180

cagctagatc ttgacgggta ttcaagtcat ccttcctctt gccttgaatg ttaaggagca 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtctagatt agaccagtat ggaagatcaa agaanatgga cctctgcttc catatgcaac 360

tcttactttt atccttcttt tgggtctttc caaatacagt attcaggtgt tgaacccgct 420

gatata 426

<210> 5132
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5132

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tggcatcatt tctggcgcta aactgctggg agttggaggc catcttctca attaaatttc 120

tggcttcaac acgagtcatg tctccaaagg ctccaccact ggcagcatct atcatacctt 180

tctccatatt actgagtcct tcataaaaat attggagaaa aagttgttct gaaatctgat 240

ggtgggggca actggcacat aatttcttaa atctctcaca gtactcatac aggctctctc 300

cactgagttg tctaatacct gagatatcct tcctgatggc tatggtcctg gaagcatgga 360

anattntttc taagaatact ctcttaacgt catcccagct cgtgatggac ctt 413

<210> 5133
<211> 429
<212> DNA
<213> Glycine max

<400> 5133

ctgttttcaa tcttgtgcat ctcgatatat tacaggtctc aatcagacat ccgagtaaaa 60

agttattgtt gttagaagtt gcacagagct tcagttttgc attttgaggg tctcgatata 120

ttacgggact caatcggaca tctaagttaa aagttattgc tgtttgcatt tgcttcgagc 180

tttcattttc aattacgagc gtctcgatat attacaggac tcaatcggac atccgagtaa 240

aaagttattg tcgttagaat ttgctcatag cctctatttt caattttgag tgtgtcgata 300

tattacggga ctccgtcgta catccgagta aaaagtaatt gtcgttagaa ttttctcaaa 360

gcttctgttt tcaatttcga gcgtctcgat atattacagg actcaatcgg acctctgact 420

caaaagtta 429

<210> 5134
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5134

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ttactcgttt agccccatcc tctaaattta tccgatgcct acatgtggat gggctaatac 120

caggaatgtc tgccagggtc cagcctatag ccttcttatg cttcttaaga actgataaca 180

gcttctcctc ttgctcatca acaagggagg caaatataat tactggaaaa cttttgctct 240

catctaagta agcatatttt aaatttgatg gcagaggctt caattctggt gtgggcggct 300

ggatagtggt agaaagagat ggtttctcag cctgtacctc ataaagaaag tcagaggtac 360

gtgtacttcc tgaaacatgg ttagttctat ctgactntat aaaatcaatc tcaagaggta 420

aaacatcaga catgtgatca 440

<210> 5135
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5135

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acgttactgt agtttgaagg tgctcagagc taaggcattc aagtccgagc gtctcgatat 120

actacgagac tcaatcagac atccgagtaa aaagctattg tcgtttgaat ttgctcaaag 180

cttcggtatt caatttcgag cctctcgata tattacagga ctccatcaga cacccgagta 240

aaaaagttat tgtcgtttga atctgcttgg agcttcaaca ttcaatttcg agcgttccga 300

tattttacag gactcaatcg gatagccgag caaaaagtta ttgtcgtttg aatttgctca 360

gagctttngt attcaatttc cagcatttgg atatattacg ggtctcaatc agacattcga 420

tt 422

<210> 5136
<211> 349
<212> DNA
<213> Glycine max

<400> 5136

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agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aatatcatga 120

ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaagagt ttgttgaaat ggattattt 349

<210> 5137
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5137

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gaggtgactn tgagcatttg tttatggagg agtccgagtc aatttctgat tatttttctc 120

gagtattggc cgtagtcaat caacttaaaa gaactggtga agatgttgat gaggtgaagg 180

tcatgaaaaa aatacttcga actttaaatc caagttttga cttcattgtt accaacattg 240

aagaaaacaa ggatttaaag accatgacta ttaagcaact catgggctcc ttacaagcat 300

acgaagaaaa acaaaagaga aaaattaaac aaaaggaggc tacggagcaa ctactacaac 360

tcaacgtata ggaagcaaac tatgcatatt acaagagcca aagaggacga ggtcgtg 417

<210> 5138

<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5138

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tggatttgtg tttttcatgg gggaacacaa ccttcacttg gatgtcaaaa aattagtcga 120

tagtcactct ttcaacttgt gaggcagaat acatagcaac tacttcatac atttgtcatg 180

cagtctggct taggaatttg ttaaaaaagt tgggcatgtc acaagaatag ccgaccaaga 240

tctttgttga tagtaagtca gccattgttc ttgcaaagac tccagtgttc catgatcgaa 300

gcaaacatat tgatacatgt taccactaca taagggagtg catagcaaga aaggatgtac 360

atgcagaata tgtgaagtct caagaccaag tagctgacat cttcaccaag ctgctcgagt 420

aagaagactt aatcaa 436

<210> 5139
<211> 409
<212> DNA
<213> Glycine max

<400> 5139

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gaatttgctc agatctttga aattcaattt ctagcatctt ttatattacg tgactcaatc 120

cgacatccga gtaaaatgtt attgtcgtgt gaatttgctc agagctttaa cattcaattt 180

ctagcatctc gatatattac gtgtctcatc cgacatccga gtaaaaagtt attgtcgttt 240

gaatttgctc agagctcatt attcaatttc tagcgtctcg atatattacg ggactgaatc 300

agacatccga gttaaaagtt attgtcgtta cactatgctc aaaacttcaa cattaaatat 360

cgagcatctt gatatattac gggactcaat catacatccg agtataaag 409

<210> 5140
<211> 437
<212> DNA
<213> Glycine max

<400> 5140

tgttgtcatt aaatcttaca tgaattgcct cttccatagt caaggttttt gatttgtaca 60

ctctatatgc cttggatgat tcaaagtatc caatattcca aaatcacatt ttgagtcaaa 120

ctttccaagg ttatccttgg tgttgaagat gaaacactgg catccaaatg ggtgaaagtc 180

agaaatgttg ggcttatgtc cctcccacaa ttcataggaa gtctttttta agattgacct 240

tatataaatt atgttctgta aataataagc agtgattgct gcttcagccc ataagtgttt 300

cagagttaag tagtcgttaa gcattgttct tgccatttcc tgaagagaat ccattttcct 360

ctcaacaact ccattctatt gtgatagtct tggagtagaa acaatattat gaataccatt 420

ctcttcatag aattttt 437

<210> 5141
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5141

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tcaatttcga tcctctcgac atattatgca cccgaatcgg acatctgtgt gaaaagtcat 120

gatcatttga atttctcgag agtttccgat gtttaatttc gagcgtatcg atatattata 180

accctgaatc ggacctcagt gtgaaaagtt atgaccattt gaatttgacg agagcttccg 240

ttgttcaatt tcgaatgtca ctgtatgtga tgcgcctaaa ttggacattc gagttaaatg 300

ttatgaccat ttgaatntct caagagcttc cgctgttcaa ttctgagcgt ctcgatatgt 360

gatttgcctg aatcggacat ccgtgtgaaa agttatgacc atatggaatt ctcaagagc 419

<210> 5142
<211> 421
<212> DNA
<213> Glycine max

<400> 5142

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ttgttggaga ggcctcttgg gataatattc tagtgttgaa atccatgctt aggggatttg 120

aaatggtctc tggtttgaga atcaactatg caaaaagcca atttgggggc gtcggttttc 180

aggccaattg gactcagcaa gcagcccaat tcctgaactg tagacagttg gataccccctt 240

tctactattt atgcatgcct attgctgtta aagcttccaa catggtggtt tgggagcctt 300

tgtttaacaa attacaagcc aagctctcat agtggaatca gaaaattttg tctatgggtg 360

gtaaggttac cttgataaaa gctgtcctga gtgcactcgc tatatatctt ctatctttct 420

t 421

<210> 5143
<211> 321
<212> DNA
<213> Glycine max

<400> 5143

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tgctatggat ttcatcacta atctacctcc ctcacgcggt tatgctacta tatttgttgt 120

ggtggatata ctttcataat ttgctcattt tataccattg aaggctgctt ttaatagcaa 180

atctgatgca gatgctttca tttctaatta tgacaagatg catgggtatt caaatacatt 240

agtctttaat agagatcgta tttttatcat ttcatttcgg cagcagttgc tcatagcaca 300

tggaactata taggctatga t 321

<210> 5144
<211> 410
<212> DNA
<213> Glycine max

<400> 5144

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cataatatac cgagacgctc gaaattgctc aacggaagcc ctcaagaaat tcaaatggtc 120

atatcttatc acacggaagt ccgataaagg tgcatagtat attcgagaat cttgaaattg 180

aacaacggaa gctgtcgaga aattcgaatc gtcataactt atcacacgga agtccgattc 240

atgcgcataa tatatcgaga cgcttgaaat agaacaacga aagctctcga gaaatacatg 300

tggtcataac ttttcaacgg aagtccgatt aggtgcataa tatatcgaga cgcttgaaat 360

tgaacaacag aagctcttga gaaattcaat cgatcattac ttatcacacg 410

<210> 5145
<211> 287
<212> DNA

<213> Glycine max

<400> 5145

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ggaagtccga ttcatgtgca taatatatcg agacgctcga aatagaacat cggaggctct 120

cgagaaattc caatggtcat aacttgtcac acggaaggtc gattcaggcg cataatatat 180

ctagaagctg gaaattgaac aacgaaagct ctcgagaaac acaaatggtc ataacttgtc 240

acacggacat tcgattcagg cgcataatat atcgagacgc tcgaaat 287

<210> 5146
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5146

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tatagacagt aataaacaca tttaaatatt aaatagtaat acctgagaca ggaatttata 120

tagcgattcc ccttggtagc tgcatcaagc actgcaaaac cacaaaatat gaatgattat 180

tatgattttt tttatgaatt tttaattaga gagagatgtg attgggaaat tacagcacca 240

gattcctgaa ggcgaccggt ggcatcggtg aagcactgca tgtgatggaa agaggtggat 300

gtggattcgg agagggccaa tcggagggaa gcgaagagag aagtgaaact ctgagcgatg 360

gccaacgagt ctc 373

<210> 5147
<211> 377
<212> DNA
<213> Glycine max

<400> 5147

tggaaggtag tcatacctta caaaacatat atatgtatgt ttaggtagtg aaaatacctt 60

agatatgcat gtatgtaaac aaaaaaacac ttcacaaaat atatatatgt atgtttaggt 120

agaaaaatac cttagatatg catgtatgta aacaaaaaac acttcacaaa atatatatat 180

gtatgtttag gtagaaagat accttagata tgcatgtatg taaacaaaaa atacttcaca 240

aaatatatat gtatgtttag gtagaaagat accttggata tgcatgtata tagcaaaaat 300

accttacaaa acatatatat gtatgtttag gtagcaagat accttggata tgcatgtata 360

tagcaaaata cctcatg 377

<210> 5148
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5148

agctntatga taggagtgtg aagcatgtgt tcattggtta tgatgcaagt tcaaaaggct 60

acaagttgta caatccatac aatggaagat tgttgtaagc ataaatgcta aatttgatga 120

agaagagaca tggaattggg agaaaaaaga agccccctat gatttatttt cttattttga 180

agaaaatgat gaattaagtg tagcaccaaa tgagatttct actccacctc ctatacaaac 240

tcattcaatt catgaagcat catcttctga agggagttaa agtgaaagac caagaaaaat 300

gagaagcctt ctagacatat ctaatggatt gtttgaggtt tatt 344

<210> 5149
<211> 410
<212> DNA
<213> Glycine max

<400> 5149

agcttaactc tcaaattccc cttcatccca tgctcttttg atataggcat tccttcatta 60

gggacaacaa cctcagcacc aggtttgaca atatctgtca atgggatcat gagactcctt 120

ccgtccaagg tggtgagatc caacgtttta ccagtaaggg cctcaagaag ggttatctct 180

tggttgatca ccaaatcatt accatccctt ctataaagag catgcggctt ctcatctatc 240

acaaaaatga gatctgctgg gatgacacca ggctcacggt tacctttctc tgggaaggta 300

atttttgttc ctttcttcca gccaggtttt atctcgatag tcaaaatctc ctccacatcc 360

ccacatttgc tgaaatggaa ttgcatgtgt caaatattgt caaaaaacac 410

<210> 5150
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5150

agcttcctct tatgagtgca tagctctttc ataaatttag catatcttgg aatatgcttt 60

attgcatcca gtagaggtat gtttacctct actcttctaa atgtttccaa gatctccttc 120

tccgcctctt ccattttctt gttggaaatt gctcttggtg ggaatggaag agggatatgc 180

tactactgta agtcagaatt accagtagaa gattcacctg catagaaatt gttaggcaac 240

ttactcttta aatttttgtc atcatctttc tctggagttg agtgaggttg ggcaggttca 300

tttgcagatg aggaagatgc tactagttga ggtccttgat actgttttcc caacctcaat 360

gtaattgcac tcacanttt gggattctgt acagattgag aaggtaatct gtcagaattc 420

tgggactgtt t 431

<210> 5151
<211> 433
<212> DNA
<213> Glycine max

<400> 5151

tctcagatct ggtcatggaa agacttggct actgccttca ttaggaagta ccaatacaac 60

acggatatgg ctcctgatcg gaaccaactt cagagcatga ccaaacggga acatgagtcc 120

attaaagaat atgctcaaag gtggagagac ctagcaatcc aagtcatccc acctatgacg 180

gagaaggaaa tgatcacaat tatgataaat acgttgccta cgttctacta cgagaagctg 240

ataggatata tgccggctaa ctatgcaaac ctcgtctttg ccggagaaag aatcgagtcc 300

ggactgaaga aaggcaagtt tgaatatgac tccaacgctg cccccacaac aatagaagag 360

ccccattggt gggcacacgc gaaaaggaag gagataccca cgcagtcacc actcgcccaa 420

catggatgaa aac 433

<210> 5152
<211> 394
<212> DNA
<213> Glycine max

<400> 5152

agcttaaagg aagtgaacga attagtatgg tcagaaatgt ctccgcattg attggtaaat 60

ctgttcctca aattcctgaa aaatgcacag atccaggtac attcagcata ccttgtatta 120

tagggaatag taagtttgac aatgccatgc tagatttagg agcctctgtt agtgttatgc 180

ctctgtcgat ttttaattct ctatctctag gtcccttgca gtcaactgat gtggtaattc 240

atttagctaa tagaagtgtt gcctatcctg ttggtttcat agaagatgtc ttaattagag 300

ttaatgaact gattttccgt gttgatttct atatcttgaa tatggaagat ggattttctc 360

aaggatcacg tcccatcatt ctaggcagac cgtt 394

<210> 5153
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5153

ntgagccaat tcaaacgaca ataactnttt actccgatgt ctgattgagt cccttcatat 60

atcgagacgc tcgaaattga atgctgaagc tctgagccaa ttcaaacgac aataactttt 120

tactcggatg tctgattgag tcccgtaata tatcgagacc ctccaaattg aatgttgaag 180

ctctgagcca attcaaacga caataacgtt ttactcggat gtctgattga gttccgcaat 240

atatcgagac cctcgaaatt gaatgttgaa tctccgagcc aattcaaacg acaataactt 300

tttactcgga tgtctgattg agtcccgtaa tataacgaga cgctcgaaat tgaatgttga 360

acctctgagc caattcaaac gacaataact atttactcgg atgtctgatt gagtcccgta 420

atatat 426

<210> 5154
<211> 361
<212> DNA
<213> Glycine max

<400> 5154

agcttcaaca ttcaatttcg agtgtctcga tatatgacgg gactcaatca gacatccgag 60

taaaacgtta ttgtcgtttg aattggctca gagcttcaac attcaatatc gagggtctcg 120

atatattgcg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180

tgagcttcaa cattcaattt cgagagtctc gatatatgat gggactcaat cagacatccg 240

agtaaaaagt tattggcgta tgaattggct cagagcttca acattcaatt gcgagggtct 300

cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgccgc ttgaattggc 360

t 361

<210> 5155
<211> 415
<212> DNA
<213> Glycine max

<400> 5155

agcttaataa atctatatat ggtttaaaac aagcttcccg tcagtggtac cttaagtttc 60

atgggataat ttcttcattt ggttttgagg aaaaccccat ggatcaatgc atattccaca 120

aggtcagtgg gagtaaaata tgtttccttg ttttatatgt agatgatatt ttacttgcag 180

ccaatgatcg gggtttgcta catgaggtga aacaatttct ctctaagaat tttgacatga 240

aggatatggg tgatgcatct tatgtcatcg acattaagat tcatagagat agatctcgat 300

gtattttggg tctatcacag gaaacctata tcaacaaaat tgtagagaga tttcaaatga 360

aagattgttc accaagtgtt gctcccattg tgaagggtga taggtttaat ttgaa 415

<210> 5156
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5156

agctngaagg tgtgtaaccc accattttcc atagtataat actggtaatg tgtctactat 60

cagtgttatc atttttttctc cgtcattgag gtgccacttg agctgccagg tctctccacc 120

tttgggcgta ttctttgaat gatctgtgcc ccttttttgca catgttctat agttgcatcc 180

tatccgaaga cattatacta gcactgccta acgaaggcaa ccagtaggtc cttccaagaa 240

tggactcgag aaggttccag gttagtgtac caagtaacag ctaccccagt aagactctct 300

tggaaggcat gtatcaacaa ttcctcatct tttgcgtatg cccccatctt ccgataatac 360

atctttatat ggatcttggg gcaagtagtc cgcttgtact tgtcaaagtc caacaccttg 420

aacttggg 428

<210> 5157
<211> 289

<212> DNA
<213> Glycine max

<400> 5157

cgcataccaa atgttcacca ctactagagg atataccttc ttcatgttgc atatgaatct 60

cctcctctaa atcaccattc tgaaagacta ttttcacatc catttgttgc aactcgaggt 120

ccacatgagc aactaatacc aagatagtct gaagagaatc tttcttagat ataggagaaa 180

aagattgtgt gtagtcgatt acttctattt gagtaaattc tttagcaacg agccttgcct 240

tgtatctctc aatgttgcct aatgaatccc ttttggcctt aacgactca 289

<210> 5158
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5158

tcaacatcag accacttcca gggtgctgga actacttcac atggacttga tggggcctat 60

gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120

atttacctgn gtcaactnta tctgagagaa atcagacacc tttgaagtat tcaaagagtt 180

gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaattagga gtgaccatgg 240

cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcactcatga 300

gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa acaagacttt 360

gcaagaagct gctatggtca tgcttcatgc caaagaactt tcctataatc tctgggctga 420

agccatgaac a 431

<210> 5159
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5159

tgctcttctg ctgtcaaata tgaacttcag ttcatcttct gctcatgtac taacanagaa 60

ncttgcaatt catcaaggga gggtgcatct atatctttgg actcttcaat tgcacaaaca 120

acataatcaa acgttggtgt tacggatcgc aaaatctttt ctacaatggt gacatctttc 180

atcttctcgc catggaatca catcatgttt cttatctcca ttgttcttgc aaaatagcta 240

gaaatagatt caccatcctt cattgctaat gtctcaaaat ctcttcttaa gctctgagct 300

gtgcacgctt cactctagca gaaccttgat actttttctt catagaatcc canatgtcct 360

tgaaagtttc tctgc 375

<210> 5160
<211> 359
<212> DNA
<213> Glycine max

<400> 5160

agcttgtaat cgattacaca tatactgtat tctattacca gagcagattt tcagaatata 60

ttctcaacag tcacatcttt ttacgtggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acacgaattt gctaaaagtg ttttagaaca aaaaggtctt atccttctta 180

tagagcaaaa tcgacttatc ctcttacaaa ttccttggcc aaattacttg tgattcaata 240

acgaattatt tgagtgctca cattgtacaa tctatctctt ttaagagaga gtacttgttc 300

tcttcttctt cattctgaaa agggattaag agactgaggg tcttcttttg ggaaagaat 359

<210> 5161
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5161

agctnnttag aaatatttta ataagtatta gaaaataata ttactagaga ttaggtgtgt 60

taaagttagt tggactattt tgtatacaga aatattttat ataaaggacg tcgaagtatt 120

gcttatattc ttaattatat atttcttata ttctaaaaaa tgtgtgagat taatttcttt 180

attattcaat ttataaatta tttgaaatac atgcatggat cggaatgcaa gttgaatacc 240

caaaatgtta gttatataaa cataaaatgg tttataacac ttctattact tacttgactt 300

aatgtttaac actttaacta aaggatattt caaaaagtgt caatgaataa acaaatagat 360

aagatcacgt tcgagttctt taattactcg gaagtgcaca acagaaagta ngtttgactg 420

ttg 423

<210> 5162
<211> 439
<212> DNA
<213> Glycine max

<400> 5162

tgtgttgcaa aagttggtgg tattcataca aagatgggtt tgagcttaga tgtcattact 60

aggtggaatt ctaattttgt gatgcttgag agtgcccttg tatattgatg tgctttttgt 120

agtcttgcaa ttgatgatag gagctattca agttgtccta ttaatgaaga atgggagaga 180

ggacaaaaaa tgtgtgattt tttgcatcct ttttttcaaa tcacagagtt gatatctggt 240

tcctcttacc caatgtctaa tttgtatttc atgtaagtgt ggaaaattga atgtttattg 300

cttcaaaatt tgagtaataa agatgagttg attagaacaa tggcaattga tatgaaaaca 360

aagtttgata aatattggag tgattatagc aatgtgcttt cctttgggtg cattctagat 420

ccacgctcta aaataaaaa 439

<210> 5163
<211> 440
<212> DNA
<213> Glycine max

<400> 5163

cgtcttgaca tattagaagt ttatacacat gataaaaaca ttctgaagaa ttgcttatga 60

ttaatagcat gttttcgtta tatttctttt aataaaaaga gattttaagt gaattagtaa 120

ttagtgagga tagaagtaaa aagaaaaaaa gaaaaaggaa aaaagccagt aatatgtaag 180

ttataagcta gttgaagtaa taagccaaaa attacataaa taaaatagca taatgtatat 240

ctaataaatt tattttgatt aaaataacta gtcaaactaa cttatactag agtgttgtgt 300

taaacacaat tggaaaaaat tgttgacggt aattattatt taaatacgtt tatgatttat 360

attattatca aaaattataa tcttaataga aggaaaaaaa caacacctta atggtttaaa 420

gctattgaaa gcaaagaaaa 440

<210> 5164
<211> 435
<212> DNA
<213> Glycine max

<400> 5164

tgttcttaag caaaagctaa ctaatgcccc catacttgcg ttgccaaact ttcaaaaatc 60

ttttgaaatt gagtgtgatg cttcaaatgt tgggattggg gctgtgttga tgcaagaagg 120

ccatccaatt gcttatttta gtgaaaagtt aagtggtcct acccttaact attcaactta 180

tgataaggag ttgtatgcct tagtacgggc tttgaaaaca tggcaacact acctttatcc 240

caaggaattt gtcattcata gtgaccatga gtccctcaaa tatatcaagg ggcaaggcaa 300

gcttaacaaa aggcatgcga agtgggtgga attcctatag caattccctt atgttatcaa 360

acataaaaag ggaaaaggta atattgtagc cgatgctctt tctcggcgtc atgcattact 420

ttctatgctt gaaac 435

<210> 5165
<211> 397
<212> DNA
<213> Glycine max

<400> 5165

agcttgaaat tgaacaacgg aagctctcca gaaactcaaa tggtcataac ttatcacacg 60

gaggtccaat tgaggcgcat aatatatcga gacgctcgaa attaaacaac gaatactctc 120

gagaaattca aatggtcgta acttatcaca cggaagtccg attcaggtgc ataatacacc 180

gagacgctca aaattgaacc acgaatgttc tcgagaaatt caaatggtca taaattttca 240

aacggcagtc cgatttaggc gcataataca tcgagaatct tgaaattgaa caacggaagc 300

tatccagaaa ttcaaatggt cgttactcgt cacacggaag tccgattcag gcgcataata 360

tatcgagacg ctcgaaattg aaaatcggaa gctctcg 397

<210> 5166
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5166

ggatccttaa gtcacctgcg gcatgcaagc ttcanattat ggtggttcag ccgaacagta 60

cgaggctgca gaagatcaat ttacaaaatt gtgaatatta tgacatcacc aacatcatat 120

acatctgcaa atttcttgtg agtagatcaa attcattctg cccaaaattt tagcacaact 180

caaagtgtgc agactgcaga agcaagccat acctgaaaaa gtgtcattgg aaaagagtgg 240

tgaatttccc tgcctttgat ttcatctggc acaatgtttc tactaatgga tatgttaagg 300

taactataca tcaaagccaa aaacttggca atgaccaaag cttcataaca ttctttaact 360

gactccaaaa aggtgaaaaa ctccttgctt cctctgatat ccaagagacc cacaaaggag 420

acagctgcat agattggagc catgaggatg ataatgataa t 461

<210> 5167
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5167

ntaccctctc ttataacatg cagaattcga aaattccact acataaagac aaatgatcta 60

atatggttga ccagatgagc ataaatatga caggaactca ctccaaggga aatcatgtcc 120

acaacaagct nggagtcata ttcacaaatg atgcttgtaa cacccttatc ccacgcaatc 180

tgcaaccctt gagcaatggc aagcaacttc gcattcagac tcattgtgaa gcggcaacaa 240

ccaaaaaaac tgagaaatca attacccaaa ttatcacgaa tcaatctgtc aattccagcc 300

tgactcggat tgcctaagga gcttctatca gtgttgagtt tgtaatcaaa atcaaccgga 360

ggagaccaac acaccatacg actaggaaga cttgagatat tgtgatgag 409

<210> 5168
<211> 424
<212> DNA
<213> Glycine max

<400> 5168

agctttagaa ctagcatgat atgccatgaa ttcttcatac acactttcaa gatcaggagc 60

tctttcttct tcataattga aattctgata ccaggggaca gatgtcgtac cggatgtcac 120

gacatcacgc ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtaa 180

ataacaccag agaattgttt acccagttcg gtgcaacctc acctacatct gggggctacc 240

aagccaggga ggaaatccac tctcaatagt gttagttcaa ggtctaacag cccctgttta 300

caaccttctc acctaaccac tacccgtgcg atctctacct aagagccact cttagatatg 360

agaaccttcg ctcactccct ctcactcaca ctcccgtgtt tacaattaag tcaaagacac 420

acca 424

<210> 5169
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5169

agcttggaca ggaggataag gatgatacct gataacttta tgcccacccc ggatttcgac 60

attttcaact tgaaaaaggg tttaggggtg ggggagttta aaaaaagcat ttaatcggaa 120

tgcattgata gtttaggtat tttataatga aatgcaatat atagtaatat tgttgctttt 180

tctaacaatt cttttaaaag ttatatttga gatgattttg taaaaatcat tatagtaaat 240

tagtaatgta tcaaaattaa aattttaaaa atatgttgag gcatgattta atttatgtta 300

ttntatcaaa ataaactcta aaatttattt taagaagctt taaggtcaaa attataatat 360

aaacttttta gtgatactaa actcgttcat tcatgatttt ntgttgtgtt tcaaaattca 420

cttttactaa 430

<210> 5170
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5170

cgaggttaat cgtaaaactg caaagacatg accttgtgag aggtttacca agaatgtcat 60

acaaagttga tttactttgt gaagcatgtc acgagaggaa acaaattaaa acctctttct 120

caagcaaaaa ctctatttcc acctaaagac cacttgaatt attacatatc aatttgtttg 180

gtccaactag aacaacctct gtcagtcgaa agagatatag tctggtagta gtggatgact 240

actcaagatg gacatgggtt atgttccttg ctcacaagaa taattcctta gagatcttct 300

ttaaattcta taaaaggatt caaaatgaaa agggagtatg ccttacttca ataagaagtg 360

atcatggtgg agagtttgaa natgagaact ttcatcta 398

<210> 5171

<211> 423
<212> DNA
<213> Glycine max

<400> 5171

tagctccata ctcgaaggtg gaggacacat gaacagtgct atgcaatgac attcaagggg 60

cttcgaataa agtggagaat ggaggattgc acttgagggt ccacacttat gcaatcatga 120

agtatagctc caaactcgaa gatggaggac acatgaacaa cgctaggcaa tgacattcat 180

ggggcttcga aaaaagtgga gaatggagga ttgcacttga gggtccacac ttaggcaatc 240

atgaagtata gctccaaact cgaatgtgga ggacacatga acaacgctag gcaacgacat 300

tcaaggggct ccgaaaaaag tggagaatgg aggattccac tttagtgtcc acactaaggc 360

catcatgaag catagcttcc aactcgaaga tggaggacac atgaacagcg ctaggcaatg 420

aca 423

<210> 5172
<211> 440
<212> DNA
<213> Glycine max

<400> 5172

tgagactgag tgaacgatcc atgatatcac catattattg catcttttcc atgcagaatg 60

cagaggatgg gtaatgactg gttgtgagat agttccatcc acaaattcaa ccttgttatt 120

tgcactcaga gtagtaagca ttgaacgact ccgaggatta taattcggtg gatcaagaaa 180

tggagataca agcgttattg ctgaactttc actagggtga aggtaatagg aactatgaac 240

attcaaagat tggtcagttt ctgtgttcat gttcaatcaa tagagtagag attctcttga 300

aattgaggaa gatagaaaga aatttcaaag aatcgaacaa accgaaaatc gcagaagcag 360

agaatggacc acataagcga aaacagagtg tgaaaaaaaa atgatgcgaa gagtggcaca 420

tcagacctct tcaatcgaag 440

<210> 5173
<211> 369
<212> DNA
<213> Glycine max

<400> 5173

cttgatggtt gtgttgaatg cattaaaggt aatcaaacca atagcaagaa attaagtgca 60

tatagggcta caaacatctt ggaattgata catacgaata tgtgtgggct atttcataca 120

ccttcgtgga atggtcaaca atattttata tcattcatag acaattactc cagatatgca 180

tacttggttc ttatacatga aaagtcacaa tctctggatg tgttcaaaac atctaaagtt 240

gaagttgaaa atcaactcaa caaaagaata aagtgtgtca gatcttaccg tggtattgct 300

ccaagaacat gaggaaaata atggtatgat ggaaaatgac ccataaaata agggtagaaa 360

ctttgtctt 369

<210> 5174
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5174

ntggccgatc catatcctcc accaagaata tttnttgata gatattcttc acctcccatt 60

tcactttctt aggatccacc tcctaaatcc catcaatatg tagaccccta tgtagatttt 120

tccttctcct ccaattaata gtaccatgga agaatattga gttgttgtct ccttccacta 180

accatctaga tctagatttt tgtcttagaa atgactcatt cctccttgcc aatatccaaa 240

attgctcttt caaatctatc ttcatgttca attcactctc caccaaaact ctagcctcct 300

caagcttatc caactcattc attttcaagg caatctcttt ctgtgatgaa tgaaagtctt 360

caaaacatgt agcattccac tctctaagca ccttctagag gccttttaga tttcactgag 420

gacatat 427

<210> 5175
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5175

agctngctcc atataaatat atatatatat atatagaggt atatatatat attgaggaga 60

aagataattc aaggaaacaa ttcctatgat gagataagta gattatgatt atgatgatgg 120

caagttcaag agaaggtcgt caagcaaagc aagagggtga caccactaat attgacaagt 180

tctcccaggc atcgtccact tcaagacaat ggtcagcttt cataaatcca agaattgtga 240

gagtgtcacg ttcttttgga gggaaagata ggcatagcaa ggtttgcacc ataagagggt 300

tgagggacag aaggattatg ctctcagttc ccacagcaat acagctatat gatcttcaag 360

acaaacttgg actaagccaa ccaagcaaag tgattgattg gttgcttgaa gccacctaaa 420

ttgacattga 430

<210> 5176
<211> 426
<212> DNA
<213> Glycine max

<400> 5176

agctttaaga gaagttgcaa gagaaaagac tacagcctca atgtggctga aactagagtc 60

attgtatatg acaaagtccc ttgcaaatcg actatgcttg aagcaacaat tgtactcctt 120

caagaagaca gagtcaagaa cagccactga acaattggct gatttcaaca agattcttga 180

tgatttggaa aatattgaag taaagcttga agaggaggat aaagctcttt tgcttttgaa 240

ttccttacca aaatcctttg aacatttcac ggatgcaatt ctttatggca aagatcaaga 300

cattgcccta gaagaagtcc aaacctcaat aaggaccaag gagatgcaaa aacagcaaga 360

ctccaaatct gaggataatg gtgaaagcct gaatatttca aggggaagga gtgaaaagaa 420

ggaaca 426

<210> 5177
<211> 531
<212> DNA
<213> Glycine max

<400> 5177

tatgctgcaa acatttataa tagacctcct cagcagcaaa accaacaaca gaaaaataat 60

tatgaccttt caagcaatag atacaatcta ggttggagga atcatccaaa tctgagatgg 120

acaagtcctt cacaacaaca acagcttatc cttcctttct agaatgctgc tggtccaagc 180

aagccatatg ttcctcctcc aatacagcaa caacagtcac aaaaaagaca acaagcaatt 240

gaggctcctc ctcaaccttc cttagaagag ttagtgaggc agatgaccat ccagaatatg 300

caatttcagc aagagacaag agcctccatt cagagtctaa caaatcagat ggggcagatg 360

gctactcata tgaaccaagc tcaatccaaa ttctgacaaa ttgccttcat aaactgtgaa 420

aaatccaaaa aaatgtgagt gtcatcacct tgaggtctgg caaccaaatt caagtgccta 480

caccagtagt agcagctgca cctgaacctg tcaagctata ttctacacct g 531

<210> 5178
<211> 564
<212> DNA
<213> Glycine max

<400> 5178

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atgataacaa agatgatgat cttaagaatc aaagaatgag ttcaagattg aatcaagtac 120

acttcaagga tcaagaggaa agttgagttc aagaatcaag aatcaagttt caagattcaa 180

gttccaagaa tcaagatcaa gattcaagac ttaagattca agaatcaaga gaagacttaa 240

tcaagataag tattaaaaag ttttttcaaa aactgagtag cacatgaatt tttctcaaaa 300

cctgttcacc aaagagtttt tactctctgg taatcgatta ctagattatt gtaatcgatt 360

accagtagca aaatgctttt caaaaagctt tcaactgaat ttacaacgtt ccaattgatt 420

tcaaaaagct gtaatcgatt acaatgtttt ggtaatcgat taccaatgtg cttgaacgtt 480

gaaattcaaa ttcaaatgtg aagagtcaca ttctttcaca aagaaacttt gtgtaatcga 540

ttacactgat ttgggaatcg atta 564

<210> 5179
<211> 542
<212> DNA
<213> Glycine max

<400> 5179

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cagggtctgc tcatcaattc agttggctga acaacatcat cctctttttc atttccaaaa 120

ccaccttcct ttggccatat agcattgcca tagccatagg tgccctttgt ttcaaagagc 180

cacctattat gatcaaaatc tccagtttgg ctcctcatta gtgccgactt tgttgatttc 240

atcatggaca atctcctctc cattttagac attccacttg gtggaggaag tggaagggga 300

cgtccattat ctacagccac ttcatctagc tctgtgttct tgtatggctc cttgcatcct 360

gggcatatac cacctcctgg ttttacagca tctatataac aatctctgca tatcttgaaa 420

tcacactcac atgggagaat atcagcacca cgttcatcgc tcatcacctt agaatcacaa 480

ccaggaattg cacatgaaga tcctcttgca ccagccatct gcggatgatt tgcttcagat 540

tc 542

<210> 5180
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5180

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ttagctacta attgagcttt gtatctgtcc actaccatta ggtttatatt tgagcttgta 120

aacccatcta tatccaatac agtgcttgtc agtaggtaaa aagactagag acaagtgtta 180

tttgcttcta atgcttaaat ttcttcagtc ataacttgtc tccacttagg gtatggaatt 240

gcttgatgat aaaaccgtgg ttcataagta gtggagattt gattgatgaa gttgtgataa 300

gatgagctaa gtcgagccat gaaacaataa tgtcatatta gatatggttg agaagacgcg 360

aagtagatga aattagacaa gtaaaaaggt ctcttatgct ttctggatga ccttctaaga 420

atttttttgtg gtggcataga ctcaaaaact ctanttgaag aagtggtagg aagagggaca 480

ggatttgacc gagtctttgt tgattgagca 510

<210> 5181
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5181

agctttcaac ttattgtgat gtattaaacc atccaaaaag ttggtgtgat gatgcttttc 60

caaaatagat tatggtcaaa aatcctgcat ccactatata cattattatt atcaacaaga 120

tttaatgtcc tgattaattg tataaagatt taaaaagatt agcacgtact acagattttg 180

aaatacttcc ttgaaaatca cattggtagn tatatttcat agttttcctt ctttatcatg 240

aatcagaatt ttcaatatac ttttactttg aactcttgag aatgccacat aaagttggcc 300

atgactgaaa actggtttag gtagatataa cccaaccgat tcaagagatt gtccttgaga 360

tttatagatt gtcatgacat atgaaactat aattgagagt ngcttctaat catcttgaaa 420

ggccaggaga atgagatggt gataatgaca ttcatggaac atacaccaaa ctacctat 478

<210> 5182
<211> 426
<212> DNA
<213> Glycine max

<400> 5182

cttgcacttg agtgatgtag ctccttgtag agcttgtaag ccttttttt tcttcatcaa 60

cggagtcctt tgcttcttga agattacatg gggtggaatg gagatggaat aatgatgact 120

tggagatgcc actttctgga gaagattagt caagaagaag ctcaccacca tatgctgcca 180

ttgataacat ctttcaagtt atatccttgg actgctggac tgggtttatt tgtgcacaat 240

atttcatgcg tctaaagctt gctgcacttt gcccattttg tctcctatga tcggggttga 300

attaaggctc acacctgacc actatttata gcctcagtgt cacacaaaat tctacggata 360

gcttaatttc tatccaaagt tcacttgagt ttgaaattga atttgtgcag ccaaattttg 420

gaacca 426

<210> 5183
<211> 519
<212> DNA
<213> Glycine max

<400> 5183

agcttatcat gagagatatg tcctaaccta ttatgccaaa cattgcattt attgaaaggg 60

atggtattga ttttacaagt gtaggacaac tgagttggtg atgaagatag gatgtataag 120

ccaacactta attcagctgc tccaatcgtc ctcaaggagg agttgtcctg tatagaacaa 180

ccagtagggt gaaaaatcat actacaatgt agattagcta tgagtcttga aactaaaatc 240

aagttgaatg tgaaagaagg aatatacaag acatcagtga ggtaaagttg atcattaaaa 300

tgtatagtgc ctgccaaatt ggtttgaatt tgagatccat caggtagttt aacaagtata 360

ggtctaattt gcttaaggca ttgaaactga gtttgggaaa aacacatatg atcagtagct 420

ccactatcca aaccccaaga gtttatgttg gaactataag catgaagagt ggcacagaaa 480

atacctgaat tctcattctt atgagagcta accaactga 519

<210> 5184
<211> 319
<212> DNA
<213> Glycine max

<400> 5184

tgcacttgag gtatcaaaac cagtgggagg atctacatat actttctctt ggataaaacc 60

attcaagacg gcacttttta catccatttg gcaaagccaa aaatccatta tcgatgccta 120

tgctaataat atccttatcg gcttctaatc taccaaccgg agcatgtgtt tcctcataaa 180

ccaacccttc taggagacta tatactcgga ctacataacc catattgatt tgcaaggact 240

atagaaaact aataccacta gctgataaat acccattttg ctacgataac aggataataa 300

gcaggcttct cgactaatt 319

<210> 5185
<211> 597
<212> DNA
<213> Glycine max

<400> 5185

tcaagatgtg atgtagctcc ttgtagagct tgtaggcctc ggatcttctt catcaatgga 60

gtcctttgct tcttgaagat taatggcagt ggaatggaga tggaagaatg atgattggag 120

atgccacttc aaggagaaga ttagtcaaga agaagctcac caccatagga agccattgat 180

aagagcttga aagtaagaga aaaggagtgg agggaaaggg agagaaggag cacgaaattt 240

tatgcgtcaa aagtagtctg aactttgaag tttaattctc aaatgatcaa agttgaaaaa 300

atgcacacac atgaccacta tttatagcct aagtgtcaca caaaattcga gggaaatttg 360

aatttctatt caaattttac ttgagtttga aattgaattt gtgcagccaa attttggaac 420

caaaatttca ctaattatga ttagtaaatt ttagctatgg ttcagcccac taatccaaga 480

tcaagtccaa gattctccac taaatgtgct taggtgtcat gagacatgta aagcatgaag 540

gacatgcacg gagtgtgact atatgatgta acaatggggt gtagcaagca aatgctc 597

<210> 5186
<211> 463
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5186

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ggtaattcta tgttataatt gaaattaaac caatttacag ttatctgttc aatattgaaa 120

tccccaacct agttacccta aaattattgt acattggtag attctatatt atgtttatcg 180

cttaccaact tttgtaccct acttctgatt ctgctgcgtt ttgcatgcca tttcaaatga 240

ggacttgtac aaaagatcac aagagtataa tatgagtctg ctacagtaca atagtcgcct 300

tcagtcggat cttgaaataa ctaatgaggc acataaacga ttggagacgg agaaagcaac 360

cattgttgaa aacctancaa tgtgagaggc cacaacaagg cattacagga ccaggtgcca 420

tctcttaaag taagttgttt tgtttgatta ttgattttaa tgc 463

<210> 5187
<211> 559
<212> DNA
<213> Glycine max

<400> 5187

tggaggtaaa ctagatgcct tggttaacct ggtaacccaa ctggccatga ataaaaaatc 60

tgcacctgtc gccagactct gtggtttatg ctcctctacc gaccatcaca caaacctttg 120

cccttctgtg caacaatctg aagcaattga acagcctgaa gcttatgctg caaacatcta 180

caacagacct cctcaacctc agcagcaaaa tcagccacaa cagaacaatt atgacctctc 240

cagcaacagg tacaatcccg ggtggaggaa tcatcccaac cttagatggt cgaatccttc 300

acaacagcat cagcaacaac aaccttattt tcaaaatgtt gttgaaccaa gcagaccata 360

tgtctccacc aatccagcag caacaacaac aacagcccca gaaacaacaa acatttgagg 420

ctcctccgca accttccatt gaagaacttg tgaggcaaat gactatgcaa aacatgtagt 480

ttcaacaaga gaccagagcc tccattcaga gcttaactaa tcatatggga caatgggcta 540

catagttaaa tcaacaaca 559

<210> 5188
<211> 563
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5188

tgaccaggaa ttatttggat gggttggatg tggaattcag gttgttcctg gtgcggagat 60

gatggtactg tgggtgaacc agaagctgca gtttcttttg gtgaggtagc catggaaaag 120

cagagcgttt gaaatgattt cgtaaatctc agaaggctat tgggaaatgc tggtaaaaac 180

acgaatgcca agcagatata aatttgaatg aagaatgtag aggggcgtgt gaagcaacgg 240

tcgaatttgc tttgtagtga acgtgctatt aatgttaagt gattcgtttg ggcacgttca 300

gattgcagta gctgctataa ttcctctagc agacaaatgc ccagcttgcc cctcagtttt 360

tcaaactgat ttgcatccaa agcctttgtg aaaatatctg ctatttgttc ctcagtgtca 420

acatgcttca gtgtgatcac tttatcatca acaagatctc tgatataggg atgtctaatg 480

tcaatgtgct tggttctgct gtgttgaaca ggattcttag anatattaat agcactcatg 540

ttgtcacagt acaatgtcat gac 563

<210> 5189
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5189

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atatatcgag atgcttgaaa ttgaaaacgg aagctcgtag caaatgcaaa acacaataac 120

tttttactcg gatgtccgat tgtgtctcgt agtatatcga gacggtcgtt attaaaaaca 180

taacctcgta gcaaattcaa atgacaataa ctatttactc gaatgtttga ttgtgtccca 240

tagtatatcg agacgctcgt aattgaaaat agaagctctt agaaaatttt aacgacaata 300

acttttttact cggatgtccg attgggaccc gtaatatatc gagacgctgg aaattgaaaa 360

cataagctct taggaaattc taaagacaat gacttttttac tcggatgtac gattgtgtcc 420

cgtaatatat cgagactctc caaattgaaa acaaaagctc ctagcaaatt caaactacaa 480

taacttttac tcagatg 497

<210> 5190
<211> 620

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5190

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ttcagaaaca agtcacttga agaattgtga cttttggaaa tttatttttc gaaatcaaac 120

actggtaatc gattaccatt aaggtgtaat cgattacaca tcagcaaacg tgactcttca 180

ttttaaattt tgaaaattaa aacatttaga agctctagta atcgattaca caagtttaaa 240

atgatttgaa aatgtttaaa cacaagttgt aactcttgaa atttgaaatc ttaacatttt 300

aaaacactag taatcgatta ctaccttctg gtaatcaatt accagagagt aaaactcttt 360

ggtaatgatt ttgtgaaaac ttcttgtgct actcaatgtt ttgaaaaact cttttagtac 420

ttatcttgat tgagtcttct cttgattttt gaatcttgat cttgattatt cttgaatctt 480

agatcttgaa ccttgaaact tgattcttga atctttgcta gaaactgtgc ttaactcttg 540

attctttggc ttcatcaaaa taaccttgga agacattgct tncacaatct ccccctttnt 600

gatgatgaca aatctgaaat 620

<210> 5191
<211> 577
<212> DNA
<213> Glycine max

<400> 5191

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agctcacctc cttgagaagc ttccttaaga agattcctaa agaagcttga gcttagctac 120

acatacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180

cacccgctat aatagctaag ctcaccccca tgacagaaaa cgtgagaatg ccacaaaaag 240

tccttactac aaagactact caaaattccc cgagatacaa ggctaaaacc ctatactact 300

aaaatggcca aaatacaagg cccagacgaa ggaaataact attctaatat ttacaaagat 360

aagtgggctc atacttagcc catgggctcg aaatttaccc tatggctcat gagaacccta 420

gggccttccc ttggatctct agccaatcta ctcggagtct cttacccaat gcccttacgg 480

ggtaggattg catcagtatg tttgtccctg tgtatgttgg ttttcaagag aaattgagtt 540

tttaactaag tggatgtgat atatttgtta ttgatga 577

<210> 5192
<211> 480
<212> DNA
<213> Glycine max

<400> 5192

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ccctagcctt gcaacaagtc ctagggaagt agacctggag atggataaga agatccgcag 120

tattgtgagt agcattttga aagacgcctc tgttcctgat gctggtgaag atgttccaac 180

atcctccacc ccgaatgttt ctgtgcctaa tgttgataaa gatgttccaa catcttccgc 240

tccaaatgct gaagccctcc cttcacccag tgaagaggaa tcaacagaag aagaagatca 300

agccacagag aagacccctg caccacgggc accagaacct actccaggtg acctcattga 360

cctagaagag gtagaatctg atgaggaacc cattgccaac aagttggcac ctggcattgc 420

agaaagacta caaagcagaa agggaaaaac ccccatcaag aggtctggac gaatcaaaac 480

<210> 5193
<211> 555
<212> DNA
<213> Glycine max

<400> 5193

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tagctacaca cacccctctc ataactaagc tcacctcctt gagaagcttc tttaagaaga 120

ttcctaaaga agctagagct tagctacaca tacctctcta atagctaagc tcacctcctt 180

gagatgagaa gctagagctt agctacacac cccctataat agctaagctc acccccatga 240

caaaaaaaac atgaaaatac aaaaaaaagt ccttactaca aagactactc aaaatgcccc 300

gaaatacaag gctaaaaccc tatactatta gaatggccaa aatacaaggc ccaaacgaag 360

aaaaaaccta ttctaatatt tacaaagata agcgggtcat gcttagccca tgggctcgaa 420

atctacccta aggctcatga gaaccttagg gccttccctt ggatctctag cccaatctac 480

ttggagtctt ctacccaatg cccttgcaag ataggattgc atcacatgtc atgatagttt 540

tgaaagcctc atttg 555

<210> 5194
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5194

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tcatggccta ngcgagccat atgctagcct gggcaagctt aggtccagaa aaatccacaa 120

aaggacccct ttgccccctt tcccttgtat ctttttgctt tcttgatcaa aactcggagt 180

gatccctggc ttcgcactgt aactagtgcc aaacaccgta attcaactag caatgatcaa 240

aacatcatat tgaatgatat ttcccggatg aaattagggt ctgacaactt gttatcatga 300

taacttttgc attgactttt tgttgatgaa tgaaattagt taaatgtgtt ttagaaaaaa 360

caagcttaaa tatgtttaag gtcactgata aatgactaaa ttttattttg ggtccctaat 420

aattatttttg gtgttttaag tgtttgatat atttaaactt ttgttttgat tccctattgt 480

cagctaagtg atgatatgac accatcacaa tcgttaataa t 521

<210> 5195
<211> 615
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5195

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gagcttagct gcacaccccc tataatagct acgctcaccc ccatgacaaa aaacatgaaa 120

atacaaaaaa aaaagtactt actacaaaga ctacttaaaa tgccccgaaa tacaaggcta 180

aaaccctata ctactagaat ggccaaaata caaggcccag acgaaggaaa tacctattct 240

aatatttaca aagataaacg ggctcatact tagcccatgg gctcgaaatc taccctaagg 300

ctcatgagaa ccctagggcc ttcccttgga tctctagcca atctacttgg agtcttctac 360

ccaatgccct tgcggggtag gattgcatca aaaccttctc attacccacc acccagtcat 420

ccacaaaggc catccctaaa atgaaccaca aagtgtacct accgcacttg caatgacaaa 480

caccaccttt agcataaacc aaaacaccaa ccaagatnat gaatttgcaa cgaagagcct 540

gtagaattca ccccaatttc agtgtcctat gctgacttgc tcccatatct acttgatatt 600

caatggtatc ataac 615

<210> 5196
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5196

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agagcctcaa tttcactgtc tctgtgtgag gggcgtttat ctccctacaa acattatttt 120

ttaaatccca atggtgggaa tatgtgaaaa tgagttttga acccgatgtc caaatttgaa 180

aatgatccaa cagttaatta gtctgctatt atagttttat tggaatagat ttggatgtat 240

gtgggaaaaa gagaggattt tgggagaggg gaagggagaa cgaatttgtg aggaagacat 300

agcgtcaaca acagcagcct gctccttcct tccaaaatgc tgctggccca agcagaccat 360

acattcctcc accaatccaa caacagcaac aacctcaaaa acagccaaca gttaaggccc 420

ctccacaacc ttccctcggn aaaattgttt cgcc 454

<210> 5197
<211> 457
<212> DNA
<213> Glycine max

<400> 5197

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attttgaatg cagcaacttc catggcatgg catttagctt cgatgctggg tctagcaact 120

atattttgct tcttacttct gcatgagaac aaatttcctt ccaagagtca gaggtagacc 180

tcctatctga tggtgatcct acccaatcag catcagagta agaaacaatc ttcgcattgc 240

ctttgtcttc atgtaagagt ctacaacctg gtgcatactt gatatatcta aggattgata 300

tatctaagga tgcgcatgac agcatcccaa tggctatcac aaggggcatt gaggaattga 360

cttaccacac ttactgcaaa ggtgatgtct agtctagtga tagtgaggta attgagttta 420

ccaataagtc tgtgatatct tcccgggtca ttcagta 457

<210> 5198
<211> 632
<212> DNA
<213> Glycine max

<400> 5198

tggcaaaggt agttttaggc ctgtatacag ggggtatgcg agctatgtgg ctattgataa 60

ttaagctcaa aatttgttat taaccacatt taatttttctt tcccacaaat ttggtgctaa 120

ggaaacacta caacatggac aagagatcgc tgctaagagg ctttcacaaa catctggaca 180

aggtttaaaa gaatttaaga atgaggttct gttatgtgcc aaacttcaac attgagatct 240

tgttaaagtt cttggatgtt gcattcaaga agatgagaaa ttgctcagat atgaatatat 300

ggcgaacaga agcttagact tctttctttt tggttagtct cataatcagc ttagaactgc 360

taatatttgg aacgatagaa gccgtgcttg gaaagcagac ggttaccaag cattgtctta 420

aaggggaaa aaacacacgt gtctttcgta catatataat ttacttttat cattttgcca 480

cttttccaac taaaataaag aaataataaa agattgtatt ggaatttgaa atctttgtat 540

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attattaaat tctatgtttt ttcattcttt tc 632

<210> 5199
<211> 466
<212> DNA
<213> Glycine max

<400> 5199

agcttcttat tcaaggctca tcttggtggt gaagctcctt cttccatggc ttattcccta 60

gtggatggcg cctcctctca cctcttcttc tttgtcttcc actgcatctc catggtggaa 120

aatcaccatt aaagaacctc attgaagctc aaagatccag cctccataga tgccccacaa 180

gcaagcttcc atcaggacgt gtaatcctct gaaggtgagg gcatgtagcc ctctgaaggc 240

aaggatgtgt agtcctctaa aggcgagggc gtgtagccct ttaaaggtga gggcgtgtag 300

ccctccgaag gtgagggcgt gtagccctct gaaggcaagg gcatgtagcc ctctaaaggt 360

gagggcgtgc aaccctctga aggcgagggc gtgcagccct ctgaaggcga gggcgtgcaa 420

ccctctgaag gcgtgggcgt gcagccctct gaaggcgagg acgtgt 466

<210> 5200
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5200

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ttgggataaa ggtagtgttg tcatgttttc aaagcccgta ctaaggcata caactgctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttctt gcatgaacac aaccccaatc ccaacattta aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt atgggggcat tagttagctt ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360

tcattgagag gtgctgccag tgtgctaaaa tccttcataa atcgtctata aaaacttgtt 420

aagccatgaa aactccgcac ctcggtcacg gacttaggtg taggccattc ttgaatagcc 480

ctaaccttct cctcatcaac ttgcactcct tttgaactca caacanaacc aagaaacaca 540

acatggttag 550

<210> 5201
<211> 569
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5201

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ctcgagccta taattaaaag aagaaaaatc acttacaagg cttaactcga ggctcaaaga 180

aaaattaaga aaataggctt aagattgacc cttgaagaaa aatgaagaaa agactccgac 240

aaaacctaag ctttggagat taaactcgac cacacaagaa tgaagaaaat gaacttacaa 300

ggcttaagct ttacaactta agcttgaact tgaaagaaac atgaagaaaa gactttaaca 360

aggcttaagc tctatagcct aagtttgatc cttgaagaaa aatgaataaa ataggcttac 420

aaggcttaac ctctatagtt taagcttagg cctagaagaa aaatgaagaa aataggctta 480

caaggcttaa gctttgtggc ttanacttga cctttgaaga aaaatgaaga aaatactctg 540

aaagaggtta agctntaggg cttaatctc 569

<210> 5202
<211> 618
<212> DNA
<213> Glycine max

<400> 5202

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cggttactct tacattgtat ctgggttttt tatagcttct tttcttaggt tttgcttaca 180

ttcatgattg tttatcaatt tttgttgcca ggttgttctc ctatccaggt gtcattctgc 240

gattttgtgc ttctttttgg gttgcttttg ttgtccaggt ttgtatttcc ctcccagtgg 300

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ttttgggttc ctctttaacc ttttttggtt aggttttgct aacgtctgtt gctattttgt 420

tctcctatcc aggtctgaaa ctgtgatttt gttcgtcttt tccgtttgct tttgttgtcc 480

aggtttgaat tttcgtctcg gtgtctgacc tttctttttt gcattggttc tctcattctc 540

tgaaggttgt gggtttttaa aacgtctgct acatttgtgc tatgcctcca ttgccgagcg 600

attttatata taaaaaaa 618

<210> 5203
<211> 462
<212> DNA
<213> Glycine max

<400> 5203

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attcacctgg gtcaacttta tcagagaaaa atcagacacc tttgaagtat tcaaggagtt 180

gagtctaaga cttcaaagag aaaaagactg tgtgatcaag agaatcagga gtgaccatgg 240

cagagagttt gaaaacagca agtttactga atactgcaca tctgaaggca tcactcatga 300

gttctctgca gccattacac cacagcaaaa tggcatagtt gaaaggaaaa acaggacttt 360

gcaagaggct gctagggtca tgcttcatgc caaagaactt ccctataatc tctgggctga 420

agccatgaac acagcatgct atatccacaa cagagtcaca ct 462

<210> 5204
<211> 582
<212> DNA
<213> Glycine max

<400> 5204

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aaataagcaa tatacaatga cgaattcatt taagatgtgt aaaaaattta aaagagagat 180

attaagcgca tgtttgcttt agactcatat ttatctctag ttatttgatg tgattttcca 240

cgtggattcg tgaatccaaa catagtctaa gagaataata ttacttaatt gtaagaggta 300

aaaatcattt gtataatagt aagatttatt taagacatct aaaaagtgga aagaaattta 360

ataagatgaa gatagcctaa agacatctca aaatatgtgt ttattttgtc atttcttatt 420

tagtactagt gtgtaataat tttttttaa aaaaaaacaa tagaacttat taaacactca 480

taaaaaatat gcttacataa gtctttctct aacagtagag tcttaaaaaa tttgtgggtt 540

cttcatagac tattaaacat catataaatg tgagatgaag tt 582

<210> 5205
<211> 405
<212> DNA
<213> Glycine max

<400> 5205

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tcaatcggac atccgagtaa aaagatattg tcgattgaat ttgctgacag cttgtgtatt 180

caatttcgag agtctcgaat tattaaatga ctcaatcgga catccgagta aaaagttatt 240

gacatttgaa ttctcttaga gcttctgatt tcaatttcga gcatctagaa ttattagagg 300

actcagtcgg acatcccagt aaatagatat ggtcatttga atttgcttaa agatactggt 360

ctaaatttcg tgcgtctcga tatactatag gactcaatcg gactt 405

<210> 5206
<211> 627
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5206

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gataaaagca tctcaggata ggcagaagag ctattatgat agaaggagga agccactaga 180

ttttcaggaa ggagaacatg tgtttatgaa ggtttctccc gtaaccggag tcggaagagc 240

tcttaaggct aggaagttga cacccaagta tctaggtccg tatcagattt tgaagaagat 300

tgggcctgta gctaggaatt gcccacagct ccagcagacg acaataactt ttaactcgaa 360

tgttcgatta agtcacgtaa tatatcaaga cactagaaac tgaaaacgca agctcgtagc 420

aaattcaaac gataataact tttaactcgg aggttggatt gagtcccgga atatatcgag 480

acgctcgtaa ttgaaaacgg aagctcgtag canatgcaaa cgacaatana cttgaactcg 540

gatgttcgat tgaatcccgg tatatatcga gacgctcgaa attgagtata gaagctcaga 600

gcaaatgcaa cgacaataaa ttttact 627

<210> 5207
<211> 640
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5207

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cagatactat gctagatggc acaccatgta acctgacaac ctcacttata tacaaggtgg 120

tcaacttttc caaggaaaat cttatattaa tgggaatgaa gtgagcagac ttagtcaatc 180

tatcaacaat aatccagata gaatctaaac ctctaggggt tctaggtagt cctaccacaa 240

aatccatgga aatattgtcc cacttccact ggggtatctc taagggttgt aacatccctg 300

aaggtctctg atgttctatc ttagcctttt gacagactag gcatgcatac acaaactcac 360

taacctctct cttcatgttg ggccaccaaa acatcgtctt taaatcatga tacatcttgg 420

tagcaccagc atggatgctc anattattcc tatgtccttc ctctaagatc atcttcctaa 480

gttcaggcac attgggaaca caaatcctat cttggagtct tcaaactcca tctgatccaa 540

tattgaaact actgtccttt cctgactcta tagcctctaa ctgagtcctt agaaaaggat 600

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<210> 5208
<211> 527
<212> DNA
<213> Glycine max

<400> 5208

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cccaattaca tatcacataa agtagaagat tcaagctttc ttttatggcg tcaactagtt 120

aagcctatta tcaaatcaaa caaacttcaa tgattcattg ctaatccgca aattccactt 180

tgatttctct ttaaagaaga tcatgaagtt ggacgtgaaa atccagttta tgaggcatgg 240

gagtagcaaa attaggtgtt attaatctgg cttcaatcca ttctttctac actgattttt 300

tctcatgtaa tcggttataa tcactcctat gaagtctagg agcacatcca tgattacttc 360

cacaagcaga gcatcgccac aacgcgtcag ttgcacattc aacttcgagc aatgaaactt 420

ggaagcaagt tgatgcaata gtttctatct caaatcaagg tactcgctga tgctcttgct 480

tcattaggaa gccctataat gattcaagag ctcgttgatt caattct 527

<210> 5209
<211> 583
<212> DNA
<213> Glycine max

<400> 5209

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actaagctca cctccttgag aagcttcctt gagaagctag agcttagcta cacacacccc 120

tctaataact aagctcacct ccttgagaag agaagctaga gcttagctac acacccctat 180

aatagctaag ctcacctcca tgacaaaata gatgaaaata caaaaaaaaa gtccctacta 240

caaatactac tcaaaatgct atgcacacac atgacctcta tttatagcct aagtgtcaca 300

caaaattgaa gggaaatttg aatttcaatt caaatttcac ttgaatttga aattgaattt 360

gtggagccaa actttggagc ctaaatttca ctaattatga ttagtgaatt ttagttatgg 420

ttcatcccac taatccaaga tcaattccaa gattctcaac taagtgtgct taggtgtcat 480

gaggcatgta aagcatgaag gacatgcaca aagtgtgact atatgatgtg gccatggggt 540

gtagtaagca aatgctcacc ctccccttct aaaattaatt gga 583

<210> 5210
<211> 365
<212> DNA
<213> Glycine max

<400> 5210

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attataggac tcaatcgaac atctgagtaa aaatttattg tcttttgaat ttccaacgag 180

cttttatttt caattacgag cgtctccata tattatggga tacgatcgga catccgagta 240

aaaatgtatt ggcttttgaa tttactacga gcttccgttt tcgattgcta gcatctcgag 300

atactacagg acaccattgg acattcgagt aaaaatttat tgtgcgttga atttgctcag 360

aattt 365

<210> 5211
<211> 442
<212> DNA
<213> Glycine max

<400> 5211

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tacaaagttg agctgcccgg tgagtataat gttagttcca ccttcaatgt ctctgattta 120

tctctttttg atgcagatgg agaatccgat ttgaggacaa atccttctca agagggagag 180

aatgatgagg acatgaccaa gaacaagggc aaggatccac ttgaaggact tggaggacct 240

attgatgagg acatgaccaa gagcaagggc aaggatccac ttgaaggact tggaggacct 300

atgacaaggg ctagagcaag gaaagccaag gacgctcttt aacaagtgct gtccatacta 360

tttgaataca atgccaagtt tcaaggagaa aagtccaagg ttgtgagttg tatcatggcc 420

ccaatggagg acttaatgac ac 442

<210> 5212
<211> 478
<212> DNA
<213> Glycine max

<400> 5212

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cctatatgtt gatgatatat tgcttgcaat taatgatctt tgtaatatcc catttttgt 180

aaactaattt aaaaagaatt tttatttata aataaataga gttttagaaa aatgatgagg 240

tttttgtaaa taaataaata atgagaaata atgatttgaa ggaaaaaaaa aagaaaagat 300

atttgattta ttcatttgat agggaataaa atagagttcc tttttataaa atattaaaaa 360

taaataaata gagtaataat aagttgtgta taccccaggt ataaatagtt ctgttaagtc 420

aaatttcaga ctgacgatgc ctcatctttt cctcaatttc ggttttcttt attctcct 478

<210> 5213
<211> 581
<212> DNA
<213> Glycine max

<400> 5213

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gcaaagcaat tatgacctct ccagcaacag atacaaccct ggatggagga atcaccctaa 120

cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttcct tccaaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240

acagccaata gttgagggcc ctccacaacc ttccctcgaa gaacttctga ggcaaatgat 300

tatgcagaac atgcagtttc aacaagagac cagagcctcc attcagagct taaccaatca 360

gatgggacaa ttggctaccc aattgaatca acaacagtcc cagaattcta acaagctacc 420

ttctcaagct gtcccaaatc ccaaaaatgt cagtgccttt tcattgaggt cgggaaagca 480

atgtcaagga cctcaccccg tacacctttc ttatctgaaa tgaacctgcc aaacttcact 540

ctactccaga aaaaggtgat gaccaaaatt tacctaacaa t 581

<210> 5214
<211> 533

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5214

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tctgcctctt ccatttttt gttggaaact gctcttggag ggaatggaag aggagggatg 180

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ctgacatttt tgggattttg gacagcttga gaaggcagct tgtcagaatt ctgggactat 420

ttttgattca attgtgtagc caattgtccc atctgattgg ttaaagcttt aatggaggct 480

ctggtctctn tgtgaaactg catgttctgc atagtcattt tgcctcaaaa ttc 533

<210> 5215
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5215

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aatactttac ctttaagacc ttcaactcct gctcctcgat caattagcat tgcgccttcg 180

cacgctctat tccatctacc accatctata tcccattctc aatgagatcc caagatcctt 240

ggagtggaga aaatacttca tcaacattgc ccagtggcta taaagaccat taaaccttcg 300

gattgcaagc tgcacaatac tgctactccc acctgctgct attgaaatga actcgttcta 360

ctcgaaagat agaaaaactg cagtttcgtt cttgactcgc actcattgtt gttgtcacac 420

actcactgct ntcctcacgt gcactcaata tcaagcgcct actgaggatc tctga 475

<210> 5216
<211> 609
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5216

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acccactctg tcatcatgcc gagactcagg aaggccaaca ggtttagcct tctctaagta 180

ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttttgg 240

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ccaccgtaga taaacaggac cacaacattt gatttctctg accagatgca caatcaagtg 360

aatcatgatg tcaaagaaag caaggggaaa atacatctca aactggcaca gtataattgt 420

ggcctcattt tccaactcat caaacttgac aggatcaatg actntgctac atatagcatg 480

gaagaaaaag cacaggtgag ttatcgctaa cctgactttg tttggcaaga tgtctcgtat 540

agctacgact aacaattgtt gcatgagcac gtgacaatca tgagacttta accctacaag 600

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<210> 5217
<211> 605
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5217

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ccaaatggaa ttcaattaga attgtcactg ttatgtgagg atcatttcca ttgtttaaga 180

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ttggtcttag acaaatgaat gagcttaatt gataattatg gcttattttc atatttttgt 540

gcttacttga cctatttggg tttgcangga ctattngata ctacaaagat gaaatggatc 600

gtgtg 605

<210> 5218
<211> 722
<212> DNA
<213> Glycine max

<400> 5218

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gaatggaagg agaagtggac aacattgata ttacagacag aaaacatagg gattcctgaa 180

tcttctccac cttacatcca tcaatgtgat catgctgtct ttgtattacc tcccaaaaaa 240

taaaaagcaa ataaaatcta cttaaatttg tgaagtagaa caactaacta taagataaac 300

aacaacgtgc ttgctaacgt attaaaatat aatcaattta attagaatgt attcttttct 360

tttatataat aataataata ttaatgcatt tgttaatttt tttagtattt aaaatttatt 420

aaaaatataa ataaataaga gataataatc ataccatttg gtgattaaat ttcaatcaat 480

aaaaaaatgt attttaaata gggggttttt tatattctct atcatttata ataactgctt 540

tttatacctc aattaccttt tattagttaa taatgtaaat gtttttacac taccaataca 600

taaagtaaaa aatttcttga tatattttag aattaattac attgttatca tcttctaatt 660

aatttttaaa tttattggat catcttatta tttaaaaatt aattaggtct atgtttttaa 720

aa 722

<210> 5219
<211> 595
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5219

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tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240

ggtgagggca actggcacat agtttcttaa atcgctccca gtactcatac aggctctctc 300

cactgagctg tctaatacct gagatatctt tcctgatggc tgtggtcctg gaagcacgga 360

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ggtaatacaa ccagtccttt gccactccct ctaatgaatg aggaaaagcc ttcagaaata 480

tgtgatcctc ttggacatct ggnggtttca tggtggagca gacaatatga aactcctttc 540

aatgattgtg cgggtcttca cctgcaaggc catgaaactt tggaagcaca tgaat 595

<210> 5220
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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aaagaaaagc ttactaaggc acctgttcta gctcttcctg agttttctaa aacttttgaa 180

ctagaatgtg atgcctctgg agttggagtt ggagttgtat tgtaacaagg tggacaccct 240

attacttatt ttagtgaaaa acttcatggt gccaccctca accaccccac atatgataaa 300

atgctttatg ccttaataag agccatccaa acttgggaac attaccttgt ttccaaggaa 360

tttgttattc atagtgatca tcaatcactt aagtacatta gagggcaaag caagttaaac 420

aaaaggcatg caaaatgggt aaagtaccta gagcaattcc atatgttatc anatacaaaa 480

ggggaaaaca aatgtggagc taatgccc 508

<210> 5221
<211> 540
<212> DNA
<213> Glycine max

<400> 5221

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gaaaggatga ggactgctca gagtaggcag aaaagttatc atgataagag gaggaagggt 360

ttggaattca aggttggtga tcatgtattc ttgagagtca ctctgtggac tggggttggt 420

caagcattga aatcccgaaa actcacacct cgctttattg gtcctttccc aattcttaag 480

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<210> 5222
<211> 485
<212> DNA
<213> Glycine max

<400> 5222

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cagcaacaga tacaaccctg gatggaggaa tcaccctaac ctcagatggt ccagccctca 300

gcaacaacaa cagcagcctg ctccttcctt ccaaaatgct gctggcccaa gcagaccata 360

cattcctcca ccaatccaac aacagcaaca accccagaaa caaccaacag ttgaggcccc 420

tccacaacct tccctcgaag aacttgtgag gcaaatgact atgcagaaca tgcagtttca 480

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<211> 561
<212> DNA
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tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240

ggtgagggca actggcacat agtttcttaa atcgctccca gtactcatac aggctctctc 300

cactgagctg tctaatacct gagatatctt tcctgatggc tgtggtcctg gaagcaggga 360

aaatttttc taagaatact ctcttaaggt catcccagct cgtgatggac cttggagcaa 420

ggtaatacaa ccagtccttt gccactccct ctaatgaatg aggaaaagcc ttcagaaata 480

tgtgatcctc tttgacatct gggggtttca tggtggagca gacaatatga aattccttca 540

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<210> 5224
<211> 434
<212> DNA
<213> Glycine max

<400> 5224

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catgcttgcc caaatgatga ggactgcaat tctaatgagg catgaattca aagaaatgtc 180

caaatgccct tggtgcgagg catcatggta caaggtgaag gatgatgagg actacagttc 240

taataaaaac tcaaagaagg gccctctaga gaaggtgttg tggtatcttc ccatcattcc 300

aaggtttaag cgtcttttta ctaatggaga cgatgcaaaa gaccttattt ggcatgcaaa 360

tgggagaaac tctgatggaa tggtccgtca ttcgactgat tgctcgcagt ggaagaagat 420

tgatggtttg tatt 434

<210> 5225
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<212> DNA
<213> Glycine max

<400> 5225

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tttgcccttc catgtagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240

tctccagcaa cagatacaac cctggatgga ggaatcaccc taacctcaga tggtccagcc 300

ctcagcaaca acaacagcag cctgctcctt ccttccaaaa tgctgctggc ccaagcagac 360

catacattcc tccaccaatc caacaacagc aacaacccca aaaa 404

<210> 5226
<211> 612
<212> DNA
<213> Glycine max

<400> 5226

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ttgtaataat atattctaat taaataaaat gacaactcta aaacaagata ataaatctaa 180

atttaaagtt aagacagaag gtgtgtaatc atttaaataa attaataaat atataatttc 240

aaagtattgt gataaaatac taaaataaca gcaataatgg tatttatgta gataatgtaa 300

tttattaaat ataaaataat ttttgaataa cttcaaattt aaccataata attagttttt 360

tttaaataaa aaaaaaacct aatttattta attactctaa aaaacctaat ttatcatggt 420

agtataaaca ctatagaaac atttaacacg tcccataatc tttattatga aagtattttg 480

gaaagcataa aaacagaaac agaactataa tataaactat ctatagcata atcttattac 540

aaatttgtca aaattaacaa aattataatc tttgatgata taccacagat catagatgaa 600

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<210> 5227
<211> 552
<212> DNA
<213> Glycine max

<400> 5227

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aagcgttatc agttctacca ttaaagagtt tcgtaatggt tgtccacctt gccccataaa 120

gctcgcaagc cacaagttgc tctcatcttc ctttttttgta aagggaattt tgttaagttg 180

agaatcaaga tgattgtgcc acctaaattt gtagctttta cctagacaaa agtaatgaaa 240

acccattatt caaaatacat tacaaaaata aaattagaac ataaggtact acaatataat 300

atatatatat atatatatat atatatatat atatatatat atatatatat atatatatat 360

attaatcttc tataccaaag caatggtttc gtagtactat tatctcattt gtaaactctc 420

tctagtgaaa taagaacaac acgaacatga ttctaactaa ataatcatac ataagttgat 480

tatgattaaa tataaataaa atatccaagc tccgatgtca aatctatcaa agatatacaa 540

accccaacca at 552

<210> 5228
<211> 460
<212> DNA
<213> Glycine max

<400> 5228

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caatttcgag cctctcgaca tattatgcgc ccgaatcgga catctgtgtg aaaagttatg 120

atcatttgaa tttctccaga ggttccgatg tttaatttcg agcgtctcga tatattataa 180

ccctgaatcg gacctccctg tgaaaagtta tgaccatttg aatttgacga gagcttccgt 240

tggtcaattt cgagtgttcc tgtatgtgat gcgcccaaat tggacattcg agttaaatgt 300

tctgaccatt tgaatttctc aagagcttcc gttgttcaat tctgagcgtc tcgatatgtg 360

atttgcctga atcggacatc cgggtgaaaa ggtatgtcca tttgaatttc tcaagagctt 420

ccgttggtca atttcgagcc tctttacata attatgcgcc 460

<210> 5229
<211> 522
<212> DNA
<213> Glycine max

<400> 5229

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ggtactaaag aaaggggcat gacagtcatt tgaaatgaaa agaatgacct aatcccaacg 120

aggaatgcca ctagctggag aatgtgcatc gattaccgca agctcaatga agccacaagg 180

aaatatcatt ttcctttgcc tttcatggac cagatgttgg agaggcttgt gggacatgct 240

tattactgct tcttggatgg atactttggg tacaatcaga ttgttgtgga ccccaaggat 300

aaggaaaaga tgaccttcac atgccctttt ggtgtctttg cctatagacg gatgtcattt 360

gggctatgta atgcacctgc cacattttag aggtgcatat tggccatttt tgcagatatg 420

gtggagaaaa gtattgaggt attcatggac aacttctcgg tatttacttg ttgatagctt 480

tggcaagcat accaactgtc gttgtacgtt tcacatttat aa 522

<210> 5230
<211> 584
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5230

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aattagtagc tttgtggtgc atccttgctg cttacgtaac accattcttt atcattcctc 120

acacggttca ccctcttctg ggttggatcc tgtatttgct tgctactttt gcactttgct 180

caattgcaat caatatcttt atgctaccaa tgttaccagt tttggtacca tggcttggaa 240

ttgttggggt ccttatggtc atggcatttc cttggtatcc tgatggggta gtgagagcac 300

tgtttgtctt tgcttatgcc ttctgctctg caccattttt gtgggcctct atggtgagga 360

tagttcaagg tcttcagtta tctctataaa gggaagcttt tctgccagca agattgngag 420

agtcttcgcc aaattcatgg tttaacaagt tatattgagc tgtctagttg ggcacaccaa 480

tacaaggctg ggacaaagag ggaccttctt ggcaagctca gccaacatag aagggagcat 540

gatacattaa ataccaaaca tgcccagtag gcttcacaat gaat 584

<210> 5231
<211> 361
<212> DNA
<213> Glycine max

<400> 5231

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aagataccat ttgaagtgta ttgcgatgca agcgggcaag gcttggggtg tgtgttaatg 120

caagagggaa gagtagtggc ttatgcttca cgccaattgc gtcctcatga agttaactat 180

ccgacccatg atttggaact agcagttgtg gtctttgcct taaagatttg gaggcattat 240

ttatacggta ctcgttttga agttttcagt gatcataaga gtctcaaata cttgtttgat 300

cagaaggaac tcaatatgag gcaacaaaga tggatggagt tcctcaagga ttatgatttt 360

g 361

<210> 5232
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5232

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agttccattt cgtgttccta taactntcca aataaagttg caagagacat gttagaaaga 120

tcccttgatt ctgtaatagt tggtaccttt ggctgtcatt ccctacttaa acatcttaga 180

actttattaa taagatcctc attgngaaat atctttccta atgatgcaag atgatttact 240

atgtgtgtga atctcttttg catatcatgt atagtttcat tttggatcaa tctacacaat 300

tcatattcat gggttaaggt atttattcta gacctctnta catctattgt tccttcatgg 360

ggtactngta anggatccca catatctttt gcactctgca attngtactc taaagattca 420

tccattccta aggagatgta attatatttg gctctaaata ta 462

<210> 5233
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5233

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gggaattcat gcaaccttac cacttctttg atatacaact ccactagctn nttccattta 120

tacttcatat tcaccggaat aanatgagca gaatcggtaa gtcgatctac ataatcagcc 180

acattcttct tcatgccatg ccaccaaaaa cttctcttca aatcttggta cattctagtc 240

attccaggat ggaaactaag acgacttnta tgcgcttctt ccaagatctt aactttcaaa 300

tcatctaaag atgacacgca tatccttccc ttgaatctaa ttaacccggg tgtgtccttc 360

tcanactctn acatccttat ccccattaca 390

<210> 5234
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5234

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ttgacttgat agaacctctt tntaagcgaa gtcatttgac ttgatcccat gttntactaa 120

agtgaacaaa attggtgcga atcanaactc tgacatctat catgggtgga atggatgaat 180

gcatgaagtg gtagtgctta tctctacccg agtttaaaag attggctcag aatttgtaaa 240

acataagcac ttatacaatg aaggaaagct ggagttgctg cacatgatgt ccaacgttat 300

gt 302

<210> 5235
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5235

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cctcagcaag caaatcaacc acaacagaac aattatgacc tcttcagcaa cagatacaac 120

cctggatgga ggaatcaccc taatctcaga tggtctagcc ctcagcaaca acaacagcag 180

cctgctcctt cctcanaaat gttgtggccc aagcatacat acatttctca caatccacaa 240

cagcaca 247

<210> 5236
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5236

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atntctcgag agctntcgtg gttcaatttc aagcttctcg atatattatg cacctgaatc 120

ggacttccgt gtgacaagtt atgaccatnt taatttctcg agaacattcg ttgttcaatt 180

tcgagcgtct cgatatatta tgcatctgaa tcggacttcc gtgtgataag ttatgaccat 240

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aatcagac 308

<210> 5237
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5237

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atatatcgag acgctcaaaa ttgaacaacg gaagctctcg agaaattcaa atggtcataa 120

cctttcactc ggaggttcga ttcatgcgca taatatatcg agacactcga aattgaacaa 180

cggaagctct cgagaaattc aaatggtcat tacttntcac tcggaggtcc gactcangcg 240

cataatatat cgatacgctc ganattgaac aattgaagct ctttagcaat tcaaatggtc 300

ataacttntt ccctcggagg tctaattcac gcgcataata tatctacacg cacaaaattg 360

aac 363

<210> 5238
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5238

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atggtatctc tttgactttc ctccatagac ttcaattgat ggccaagtaa ccgcctaatc 120

atcaacaatt ctcccttcga tgttttctcc acttgcttct cagcatcctc actctcttct 180

tccttntcaa cttcggaatc actaatgcac tcttcgtctc taagaatcat ggcattctat 240

gtaaggcact catatgcata atgatccaag ccatggcacc gaaaacactt cacatcttga 300

ctttttttatt 310

<210> 5239
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5239

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aggcctgaca tcacatntgc cactcaacaa cttagtcaat tcttaagtaa acctagtatg 120

acacactaca atgctgcctg tagggttgta agtacctcan aggcagtcct ggccgaggcc 180

tgttcttccc aagaaagcca gaaatccagc tactangaat ttctgatgtt gattggggtg 240

gttgcttaga ttcaaggagg tccatttcag gatattgctt cttcttgnga gcatctttga 300

tctcttggag agctaagaag cagcaaacag tctca 335

<210> 5240
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5240

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natatcgaga cgctcgaaat tggaaacaga agcactgagc aaattcaaac gacaataact 120

ttntactcng atgaccgatt gagtcccgta atatatcgag acgctcgtaa ttgaaacaga 180

agctctgagc caattcaaac gacaatatac tttaactcgg gtgtccgatg gtgtctcgta 240

gtatatcgac acgctcgtaa ttgaaaccgg aagctctaag aaaattcana cgacaataac 300

ctttgactcg gatgtccgat tgagtcctat aatatatcga gacgctc 347

<210> 5241
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5241

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atatatcgag aacgctccaa tatgaaacgg aaactcttat aaatatcata cgacaataac 120

tttntacttg gatgcccgac agagtgtcgt aatttatcga gggatgctcc aaattgaata 180

cggaagctcg taccaaactc aaacgttaat aacgttttac taggatgtct gattgagtcc 240

cgtaatatat cgagacgctc acaatttaga tccgaagctc tgagaaaatt gaatagacaa 300

taactttata catggatgtc ccggtgagtc ctgtattata tcgag 345

<210> 5242
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5242

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ctgaaaacaa ctagctctgt attgctatgg aaactgagaa caccttttat agtcgaacgt 120

ggagttacat agntgtgtgt gaaatgcact cgatcaagta tttccaaacg ggctggtcta 180

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tctgattgtt cattatgact gttgctctct t 271

<210> 5243
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5243

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gcagaacaat tatgaccctc tcagcaacag atacaacccc ggatggagga atcaccctaa 120

cctcagatgg tccaaccctc agcaacaaca acaacagctt actcctttct ttcaaaatgt 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240

acagccaaca agtgaggccc ctccacaacc ttccctcgaa gaactngtga ggcaaatgac 300

tatgcagaac atgcagtttc agcaagagac cagagccttc attctgagct ta 352

<210> 5244
<211> 370
<212> DNA
<213> Glycine max

<400> 5244

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aaaccaatca aaagggagac attatcagag gtttgtaagc tatgcagtaa ctgcataaag 120

catcaccaag cttcaaggac caatctttc ttaatcaaaa aataatcttt tcaagaatgg 180

cctagatctc tctataagag acttccactt gacctcttgt ctgaagatgg tcatgtgtag 240

cgtgagcgac tccatacatc ttcaatataa attcaatctg cctctcaatg aaatgagaac 300

caccattact aatcacagat cgtgggaccc ccaacattgg tgaaattatc tacttgaaca 360

gctggatcac 370

<210> 5245
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5245

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gcagttgaaa agcctggagg aaagaggtat gcctatgttg ttgtggatga tttctccaga 120

tttacctggg tcaactttat cagagagaaa tcagacacct ttgaagtatt caaagagttg 180

agtctaagac ttcaaagaga aaaagactgt gtcatcaaga gaattaggag tgaccatggc 240

agagagtttg aaaacagcaa gtttactgaa ttctgcacgt ctgaaggcat cactcatgag 300

ttctctgcag ccattacacc acaacaaaat ggcatagttg aaaggaaaaa caggactttg 360

caagaagctg ctanggtcat gcttcatgcc aaagaacttc cctataatct cttggctgaa 420

gccatgaaca cagcatgc 438

<210> 5246
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5246

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atggagacgc tcgaaattga atgttgaagc tttgagccaa ttcaaacaac aataactttt 120

tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaagttg aatgttgaag 180

ctttgagcaa atttaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgagac gctcgaaagt gaatgttgaa gatctgagcc aattcaaacg acaataacgt 300

tntactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgttga 360

agctctgagc caattcaaac gacaataact ttttactcgg atgtctgact gagtcctgta 420

atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaatttaaa cgacaataac 480

ctttttactc ggatgtctga tt 502

<210> 5247
<211> 534
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5247

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tataaagtta ttgtcgtttg aattttctca gagcttcaac attcaatttc gagcgtctca 120

atatatgacg ggactcaatc agacatccga gtaaaaagat attgtcgtct taattggctc 180

agagcttcta cattcaattt cgagcgtttc gatatatgac gggactcaat caggcatccg 240

tgtaaaaagt tattgtcgtt tgaattggct cagagcttca acattcaatt tcaagcgtct 300

cgatatatga cgggactcaa tcaggcatcc gagtaaaaag ttattgtcgt ttgaattggc 360

tgagagcttc aacattcaat ttctagcgtc tcgatatatg acgggactca atcagacatc 420

cgagtaaaaa gatattgtcg tttgaattgg ctcacagctt caacattcaa ttttgagcgt 480

ctcgatatat tacgggactc aatcangcat ccgagtaaaa agtattgtcg tttg 534

<210> 5248
<211> 487
<212> DNA
<213> Glycine max

<400> 5248

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ggagacgctc gaaattgaat gttgaagctc tgatcaaatt caaacaacaa taactattta 120

ctcggatgtc tgattgagtc ctgtcatata tcgagacgct cgaaattgaa tgttgaagct 180

ctgagccaat ttaaacgaca gtaacttttt actcggatgt ctgaatgagt cccgtaatat 240

atcgagacgc tcgaaatcga atgttgaagc tctgagccaa ttcaaacgac aataacttt 300

tactgggatg tctgattgag tcccgttata tatcgagacg ctctaaattg gactgtgaag 360

ctctgggcca attaaaacga caataacttt gtactcggat gtctgattga gtcccgtata 420

ttacgagacg ctcgaaattg aatgtggaag ctttttgcca atataaacga cattatcttt 480

ttactcg 487

<210> 5249
<211> 474
<212> DNA
<213> Glycine max

<400> 5249

ctcaagcttg cctaattaac ctgaaattga gagaaaatta ttattaaaga cacaaaatga 60

aaatactaag tatttattac ctatacttaa cataaaatac ttataacatt acaaaataac 120

cataaattgg gagagtttaa tacaatttat acaagtttta tacacaaaag ttagtcgttt 180

tcaccgacta acatgtaatc gattacacaa tacttgtaat cgattactag tgtttctaaa 240

tgtttttatt ttcaaattta aacatgaaga gtcacatcta ttgatgtgta atcgattaca 300

ccttgatggt aatcgattac cagtgactga tttcgaaaaa taaattacca aaagtcacaa 360

ttcttaaagt gacttgtttt tgaagagttt ttcaaaagtc acaacctttg agtgactagt 420

tctaaaagag tcacaacttt taagtgacta gttttaaaag agtcacaatt ttaa 474

<210> 5250
<211> 433
<212> DNA
<213> Glycine max

<400> 5250

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tgtgacttca gacacgaatt tgacaagagt ttttcagaac aaaaaggtct tatcctctta 180

aaaagcaaaa taattttatc ctcttacaaa ttccttggcc aaaactcttg tgattcaata 240

aggaattatt ttagtgctca aattgttcaa tctatctctt tatagagaga tttcttcttt 300

tcttcttctt cattctgaaa agggattaag agaccgaggg tctcttgttg tgaaaggatt 360

ctcaacacaa aggaaggatt gtccttgtgt gtttagaact tgtaaaagga atttacaaga 420

tagtggaact ctc 433

<210> 5251
<211> 568
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5251

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tctcatcaat aagaccaaat atcacttgtc tcaatctatt tgcttataac ttagctatca 120

ccttgtacat acatccaatc aaggagattg gtttgtagtc atcaaatgac tgggggtgtt 180

tggttttggg aattagagct atgaaagaag cattactgcc tctatggaag ctgccatgca 240

catggaattc atctacaaat tttctgaagt cagttntcat catttcccaa aattctctaa 300

tgaattttga agttgaagcc atcaggtcca agacatttgt ccccatcaca actccacact 360

gcttctttga tctccaaatc cgaaaaagga acagcccaaa actccctctg ctcctggttt 420

attgaaaaga attgcactct atcaagagtg ggtctacaaa actactgctc aataatcttg 480

tgaggaaaaa ttcacaacct ccttcttaac atcattgggt tctgattcca tcacccttaa 540

tgaaaattcc ttgagaccat tttatgtt 568

<210> 5252
<211> 511
<212> DNA
<213> Glycine max

<400> 5252

agcttaagct ttgaattgag tgccattacc attgatgatg gcataaggga gaccatatct 60

gtagatgagg tgtttccagg tgaacttttc tacctcccta actgagattt cttgtaatgg 120

ccttgcctcg atccacttag tgaaatagtc gatggtgacc aataagaact tgaccactcc 180

tagggctttt ggcaatggtt tcaatatgtc catgccccat atggcgatag gccaagtgga 240

actcaagcta tggtggttgt tgggaggggt gcgtggaaca tctgtgaatt cttacctcct 300

tgtaaagttg agggtgtcag ccaataatat ccgatacaca acactttggt tgctagggaa 360

cgacctccga tatggaggcc acatattctt tcatgtagtt atcgcatgac atagtctgct 420

tgttggttgt tcaagcattt gagtaagggt gttgtcaacc ttactttcaa tagttcatcg 480

tcaaagatga catagtaact atccttcctt t 511

<210> 5253
<211> 412
<212> DNA
<213> Glycine max

<400> 5253

tattgaaaag ctagtaaata cttggaaaat atccatttgc tacatgttgg tataaaaaag 60

taacaacgat aataaaatta attaaggcgt acccaacaag ctttctcttg ctttgaaaag 120

tcattaatcg taatgaaaaa taacaattaa acaacaatta ataaaagaga agtcaagctt 180

attgaaaagc tagtaaatac ttggaaaata tccatttgca acatgttgga gtaaaaaagt 240

accaattatc tcactaatga aacttatata taaaaaacat ttattaatta atcaacatgc 300

acctttcaat aagcgataat taatttaata aagcgtatta ctagagacat ggtgaccgaa 360

atatttatcc tcatctatta ttgattttat ttataaaaaa cttgtatgaa aa 412

<210> 5254
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5254

agcttgcttc tcctgaatat caaatgcatt ttgggaaaaa gaaatggaca aattaggatt 60

ggttagaaga gcactaactg aaattaaatt gaatttgaat ttaggaatgt aggcaacatt 120

atgcaagaat aaggtattgg ttaagcaaac cgaaccaatg gcaatgatag gtataacatc 180

attgttaggc agagtgacag ttttatcaga aacaagttgg taagatcaaa aatgatgaag 240

agaacaagaa atatgaatgt tggcaccaga atctaaaagc caacaatcat gaagaaaatt 300

agaagtggat atagaaagga tcataccact ggcagaagaa acaccttgag gaatgacagc 360

attggtagca tgactttcta aaagattcat caattggcta tattgttggg cagtaagttg 420

aaactgggaa cctgagtcac cagaggaaga tggtgagtga gacatatcaa cagatacttg 480

ttgagcaacc ttgtgtggtg gtcaaaagat gaagaatgtt tcttgacttc tgangaaaac 540

tagtccctag ataatttgga ggata 565

<210> 5255
<211> 358

<212> DNA
<213> Glycine max

<400> 5255

tccttaatca cctcattaag gactagaaca ccatgtagga tgtgtctgtt ttttatgaaa 60

gctgtctgcc tctcatcaat aagaccagat atcacttgtc tcaatctatt tgctaataac 120

ttaattatca ccttgtacat acatccaatc aaggagatgg gtctgtagtc atcaaatgac 180

tggggatggt taattttggg aatgagagct atgaaggaag cattactgcc tctagggaaa 240

ctgccatgta catggaattc atcaacaaat cttttgaagt cagctttcag catatcccaa 300

aattctttaa tgaatttgaa gatgaaacca tcacgtccag gacatttgtc cccatcac 358

<210> 5256
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5256

agcttgtgaa tgtacctatg aattgttttt ttgctatgta aataagccaa ccctgagaga 60

atatggcgag tgaaattccg aatgacagat tctattaggg caccacaatg atcacggaca 120

tatttattaa ttgaaccaag atgaacatat tccagataaa tataaaaacg gtcctcaacc 180

tgcaagcaca tatgttaagg ttttaatgct gttacagaat aatgattatt aatcttgagt 240

agctaattat gaagtaggag attgcttact atttcactgc caaaatactg tacgatgttt 300

gaatgtttta gattgctaag aancttaatt tcctggagaa aaagaataaa ctattaagaa 360

ggataaagag gatatagaaa ataacatatc ttcaaaacta ttacggaacg ataaatatat 420

atagccaagc agcccaagcc attattaagt aaaaccaacc ttataagtat tcaactacag 480

tggacactaa aacgaaatga ggagcgtcac tgcaaaatat a 521

<210> 5257
<211> 538
<212> DNA
<213> Glycine max

<400> 5257

agcttttcta aactcattca cactaaacag gccattcaac aactcattat acgttctggt 60

atcaggcaaa cacccatatc tctgcatctg atcaacaaca tgcattgccc accgtactct 120

cccaccatga cacaagccct tgataaacgt gatgaatatg acaacatttg gaggacaacc 180

atcagccacc atattatcaa taagccgata agcctggtca agcatagaat tcttgcaaag 240

cacatccacc atgggcgtgt aaaccacaac atgaggctga acctcacaat tcaccatcct 300

gttccacact tcaaaagcac cctgcaaatc cccagccttg gcaaacccgt gaacaagagt 360

gctattagca gacacattca gcgggcaaaa gcaatccttc ctcatccgat cacaaactgc 420

cacaggctca gccacattcc cactgcagca caaaccattc aagagtgtgt ggtaagcaac 480

aacattcggg ctaacccccc ccctaaccat aaccccacaa gcagcttgca ggcagcat 538

<210> 5258
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5258

ctaagcttga ataggatcct tatatgccga acccagaaac tcttcaccct tcctctctag 60

caactgccaa acattagtca aagcagcact ttccctaatc acacagcaaa caaggtttta 120

aaaaaaaaat cactaacctt tcatttcatg actaaaacta atacagacat acttcaatca 180

atcatcaatt cacataattg aagaaataaa gcacacaaac taatacacac atacttcaat 240

cactcataaa aaattagtaa ctaccacacg ttgataaaaa aaacacagac acacatgtct 300

ttgtaagtaa cataccggtt gggtatccaa gcgggtgggt cgggaccgta atccttgtag 360

caaccatagt acagcatctg atgaaaggag aagggaagtt canggttgag gatgctgttg 420

ctgacgtgct gccacatggc gggggtgcca ttgctgtgag tttcaatgat ttctgcgaga 480

cccctgtgga gagtggcagc gtcttctctt gcaattccat gggaatcaat atccgacaca 540

gtgatggaac 550

<210> 5259
<211> 354
<212> DNA
<213> Glycine max

<400> 5259

tgtaagttat atattcaata tattttatat gttttattta tgtagatgtt tatattttga 60

taaatgaata gttttaggta gtataagata acaattttgt atagtttagt ttgaattgtt 120

aatgttatat atgccagatt atttttgat aaatgaatag ttttaggtag tataagataa 180

taattttgta taatttattt tgaattgtta atgttatata tgccagatta tattttgata 240

aatgaatagt tttaggtagt ataagataat aattttgtat agtttagttt gaattattaa 300

tgttatatgg tagattagat ttaggtttat ttgataaatt attgttgcaa ccta 354

<210> 5260
<211> 464
<212> DNA
<213> Glycine max

<400> 5260

aacttagaga agtgaaggca ggctattatg gaacttgggc agcacatcct ggtctaattc 60

cagtctgcat ggagattttc aacaacaaca tgggcaatgc tcccaaccaa aataaagaca 120

atgaaacgcg aagatggcgc aaacataacc gagcaagacc tcttgcagat accaagagga 180

gcctgcacca tggaaggtct cagatttatg gttatatgct tcttaattta attattaaac 240

tcttaataaa tatcttaagt cacttgagcc ttttttcaat ttaattaatt ttttttttatt 300

aaaacattgg cactagtatg tgattaacct atctcttttg tattgataca agattaagct 360

attcttatct caagttattt tattaactat gctcttattg ggacaaggaa aaaaggaact 420

acttaaagac acttgacaaa gggaatataa atactattca aaca 464

<210> 5261
<211> 242
<212> DNA
<213> Glycine max

<400> 5261

tttgtggaaa ctgctctttg gaggaatgga aaaaggggaa tgtgctgctt ctgcaaatca 60

gaattacctg tggaaaaaga ttcacctgca cagaaattgt taggtaaatt tttgtcatca 120

ccttttttctg gaatagaggg aagtttggca ggttcatttg cagatgagga aggtgctacc 180

ggttgaagtc cttgacactg ctttcccgac ctcaatgaaa tggcacttgc ctttttgggg 240

at 242

<210> 5262
<211> 421
<212> DNA
<213> Glycine max

<400> 5262

agctttcgag aaatttaaat ggtcatcact tttcactcgg aagtccgatt caagcgcatc 60

acatatagag acgctcgaaa ttgaacaacg gaagctctcg agaaattcaa atggacatat 120

cttgtcactc ggaggtccga ttcaggtgca taacatatcg agacgcccga tattgagcaa 180

cggaagctct tgagaaattc aaatggtcat tacttttcac tcggaagtcc gattcaggca 240

cataacatat agagacgccc gaaattgaac aatggaagct cttgagaaat tcaaatggtc 300

attacttttt cattcggagg tccgaatcag gcgcttcaaa tatggagacg ctcgaaattg 360

gaacaacgga ctcctctcat atattcaaat ggtcataact tttcactcag aggtccgatt 420

c 421

<210> 5263
<211> 562
<212> DNA
<213> Glycine max

<400> 5263

agcttgtaac aaacctaatt cataatattc tcatgttaaa aataaacaaa caaaaatatc 60

atttaaattg tgtctaacta cattaaattg tattaaattg aatttaggtt taattactca 120

tttgattctt atagtttcat atttgtacct tttagttcat atagttttaa aataattttt 180

ttagttctta taatttacat tttaattctc ttttagttct tgtagtttga aattgatatt 240

tttagtcctt ataatttata ttttaattct cttttagtcc atataatttg aaagtgattt 300

tttaaatcct tatattttat attttaattc ccctttagtc tttaccatca aaatatgagt 360

aatattatca attacaatta actacaaaaa tattaataag taattcataa ctaatttatt 420

ataacataat ttgtaataaa aaattattga taatttataa ttaatttgta gctaattatt 480

tttatatgaa ggagtgtaaa tgatgagaac taaaaagatg acttttaaac tataggagtt 540

aaaatgaaat taaaatttaa tt 562

<210> 5264
<211> 468

<212> DNA
<213> Glycine max

<400> 5264

agcttctaaa agagtttggt agatctctag gttcagtgga aaaccatcag cccaatggca 60

tgtctcagag atagacccat cagatgatct gcaagaaaga gacataacaa cagttcgaaa 120

ggtttgcatt gattcaccat tctttccaat atccatgggt ttctcaaatg ctccgcggat 180

tatgtgccgt agactctgtg cagaagggtc tgatttatct aagggaagat gaggatgcaa 240

gaggagtcct gcttcaagaa ccttcaaatt tcttctcaac caagcttcat actcttgttg 300

acttggaaaa tctgaactcc tgaacagttg tataagctct agtggaagaa ccactgactc 360

catgcgtctt tcaagctatt tcatgaacag agacctagtc agttttaata ttgtgattaa 420

acagatgtaa gaaagaacca ttatgcagat gttcaaacat gacatttt 468

<210> 5265
<211> 484
<212> DNA
<213> Glycine max

<400> 5265

ttttatttt agtagataag gatgaattcg tggccacctc atggactcct ctaagaacaa 60

tagcgtcatt tcttgcactg aattgttggg agttggaagc catcttctca attagattcc 120

tagcctcaac aggggttata tcaccaagag ctccaccact ggcagcatca atcatactcc 180

tattcatgtt gctaagtccc tcatagaaaa attgaagaag gagttgctca gaaatctggt 240

ggtggggaca gcttgcacac aatttcttga atctttccca gtactcatac aagctttctc 300

cactaagttt cctgatgcct gaaatgtctt ttctgatgga agtggtccta gatgtaggga 360

ataatttctc caagaacacc ctcctaaggt cattccagct aaaaatggac ctgtgagcca 420

ggtagtatag ccaatctttt gccactccct ccagagaatg aggaaaagtc tttagaaaga 480

tatg 484

<210> 5266
<211> 553
<212> DNA
<213> Glycine max

<400> 5266

agcttaaacg tgttataata aattgaatga ttgaaggacg tggatgttaa atctgaacca 60

atgaaacagg aacttgactt gtatctatgt tcaagagtgc ccgaatgcga tcccagttga 120

cccaattatc gttagcgtac gaggcaacaa ttacactagg taagctagac aaaccaacaa 180

tagggcaaag aggggtcaca ctcaccccac taaagatgat gtggcacgta attgggcaaa 240

gagagtgatg tagctccatg tggagcttgt aggccttgaa tcttcttcat caatggagtc 300

ctttacttct tgaagaagaa tggcagcgga acggagaaag aagatgattg gagacccact 360

tttaggagaa gatgcgttaa gaagaagctc accaccatag gaaaccattg ataaaagctt 420

gaaggaagtt taacatgagt ggagggagag ggagagaatg accaccaaat ttagtgcctc 480

aaatgagggc tgacttttga ggataatcct caaatgatca aagttgaaat aatcacacac 540

atgactttta ttt 553

<210> 5267
<211> 344
<212> DNA
<213> Glycine max

<400> 5267

agcttgcaat cgattacatc atttgtgtaa tcgattacca ggcacaaaaa aattcaaatt 60

tcaagtctga ggagtgacaa ctcttcacaa actaactgtg taagcgatta ctacatttat 120

gtaatcaatt accagtaagg aattttcgaa aataactccc aagagtcaca actattcaag 180

aagtttttga atggccatca aagccctata aataggtgtc ttattattct caaaatattc 240

cttggccaaa acacttgcaa attcaataag gaatcttgct caatctttaa ttgtaatatc 300

cttcttttaa agagagaaaa ttcttcttct tcttattcaa agag 344

<210> 5268
<211> 275
<212> DNA
<213> Glycine max

<400> 5268

tgaccaggaa ttatttgtat tggttggatg ttgaattctg gttgttcctg gtgcggagat 60

gatggtacag cgggtgaacc aggagcggca gtttcttttg gtgaggaagc catggaaaaa 120

cagagcgttt ggaatgattt cggaaatctc agaaaactat tgggaaatgc tggagaaaac 180

acgaatgcca agcagatata aatttgaatg aagaatgtat aggggcgtgt gaagcaacgg 240

acaaattggc tttgagggga acgtgctatt aaagt 275

<210> 5269
<211> 507
<212> DNA
<213> Glycine max

<400> 5269

agcttggaag aagaatacat ggagatttca tctgaatatg gcgccactaa tggaggaaat 60

aaagtttaca tactaaagaa agccttatat ggtctcaagc agtctcctcg ggcttggttt 120

attaggttca ctcaagctat ggtatctttg gggtacaagt aaagccaagg caatgatgag 180

cttgaaaaat agaccctgag ggagaggtta gcagcccaat ttgagatgaa ggatcttatg 240

aggctaaagt actttctcgg gatagaggtt gcttatactt tacgaagggt atattcattt 300

ctcatagaaa atatatactt gatctcctca aagaagctga caagatgggc tgtaaaacca 360

ctggagcacc catagagcaa aatcacaaga ttggaaatga tgaagaaagc ccaaaggtat 420

agaagacaca ataccaaaga ctttggggaa aacttatctt ttattcccca ccaggcttgt 480

atagcctatg cagatagtgt ggttagt 507

<210> 5270
<211> 400
<212> DNA
<213> Glycine max

<400> 5270

agcttatgag catttgaatt tctcgtgagg ttccgttgtt caatttctag cgtctcgata 60

tctgatgtgc ctgaatcgga gatccgagtg aaaagttatg acaattttaa tatatcgaga 120

gcttccattg ctcaattttg agcgtcttga tatctgatgt gcctgaatcg gacatccgag 180

tggaaagtta tgacaatttc aatttctcaa gagctttcgg ggttcaattt tgaacgtctc 240

catatgtgat gcgcctgaat cggaccttcg tgtgaaaagg tatgaccatt tgaatttctc 300

gtcagcttgc agtgttcaat tttgagagtc tcgacatctg atgggcctga atcggacatc 360

tgagtggaaa ggtatgacaa ttttaatttc ttgagagctt 400

<210> 5271
<211> 608
<212> DNA
<213> Glycine max

<400> 5271

agcttgtcct tcacggcaaa catgatagca ctggcatgtt ctgcagcatt gcctacaatt 60

ggaagcaaga tgacagaaat aaaagccact gacatattca atgactcaga tgctccctgc 120

aagagaccag aaacacaatg tcaatgaatg aacttatgat gcacaattta tggataatag 180

gaatattgtg aatgtatgaa tacagagttt tgatgatgtc aaagtaaaat caaacaaggt 240

tgtttcaaca aacattattg ctttaagatt aattcaaggt caaacaaata agatcaagaa 300

aaagataagg tctcaaataa tctcactggt tgattgattt ttgccttaaa acaaattgtt 360

tccaagagat caaaggctct agtattcgat tactaggcaa tgtaatcgat taccaggaga 420

caagtttaca aatcaacttt tataaaaaga tttgaaattg aatttttgat cttgtaatcg 480

attaccagat gtttgtaaaa agattaccag taaccgaact cttgaaattc aaaatgaaaa 540

gtcataccct ttaaaatata actgtgtaat cgattaccag tgagaatatt tcagaaaagc 600

tttttgaa 608

<210> 5272
<211> 476
<212> DNA
<213> Glycine max

<400> 5272

aactaagctt ataagtctct tggattgaaa cagcctcccg ccagtttttt taaaatttat 60

gagtcatttc ttcattcgct ttgaagagaa tgtcatggat cactgtatat accaaaaggt 120

tagtgggagt aagatttggt tccttgtatt atatgtagat gatattctgc ttgcgactaa 180

tgataaatgt atgctatatg aggtgaaaca atttctctca aagaactttg atatgaagga 240

tatgggagag gcatcttatg tcataagcat aaagatccat agagaaagat ctcgaggcat 300

tttatgcttg tcttaagaaa cctatattaa caaagttttt agagagattt aatatgaaag 360

attgttcacc aagtgtagct cccttgtgaa gggtgacaaa cttgctttgg tcaatgcccc 420

aaaaatgatt ttgagcggga acacatgaaa aatattccat atgctttagc agttgg 476

<210> 5273
<211> 465
<212> DNA
<213> Glycine max

<400> 5273

atactagctt cacatcagac cacttccagg gtgctggaac tacttcacat ggacttgatg 60

gggcctatgc aagttgaaag ccttggaaga aagaggtatg cctatgttgc tgtggatgat 120

ttctccagat tgacctgggt caactttatc agagaaaaat cagacacctt tgaagtattc 180

acggagttga gtctaagact tcaaagagaa aaagactgtg tcgtgaagag aatcaggagt 240

gaccatggca gagagtttga aaacagcagg tttactgaat tctgcacatc tgaaggcatc 300

actcatgagt tctctgcagc cattacacca caacaaaatg gcatagggaa aaacaggact 360

atgccagaag ctgctagggt catgcttcat gccacagaac ttccctataa tctctgggca 420

tgagccatga acacagcatg ctacattcac aacagagtct cactt 465

<210> 5274
<211> 491
<212> DNA
<213> Glycine max

<400> 5274

tattgaatgt tttttatttt aagaaattat gattatataa tttgattaat ttttaattaa 60

attatatagc atatgatcac tttgttaata ttttctctaa ttttttttagt aaatatatgg 120

aaaaaatgat aaaataacaa aagattatga cttccttaat tttataaaag ataaatttaa 180

attatatgaa tttaaatttc aaattttaca aattaaaaaa aaaacagatg ctaacttaaa 240

ggattctttt taaatgagta ttaaaagaaa atatttatat ttaaaataat acgtaatgta 300

atattggaaa attatttaat cacttatatt agaaagaaaa aaaaaagtaa tgcttaatgt 360

attttgtaaa cctctagtat gcttgatatt tttaacacgt gtttgcttca tttggctttt 420

agtatcagac aaacatcact atattacttt ctttaatctt tactaaactt ttattttcaa 480

tgacattgga t 491

<210> 5275
<211> 411
<212> DNA
<213> Glycine max

<400> 5275

tcttcaccag agcagcatca aggaaagtgg tttgtactat caatggggtg gggaaactac 60

ttttgaacaa agcgaagtcc agaatttgta gaccaggatt ggagctactg aagcttacaa 120

ttgccagggc tgaagatttg cctgcattga tttggaaatg aagcaagcct tgagggaatg 180

ccataacatc ccccttctta agagttttga ggtagacaat gttggcagaa gaaatgaatc 240

cagctaggat gctcccttca attacaacaa gtaattctga agctccagga tgagtgtgaa 300

gtggtataac ttcacctgct gctaagtcca aacgtgctgc ggaaatgcca agaccgttga 360

gaccagcaaa ctgagcatca aatgcagggg tcactgcagc tttgataatg t 411

<210> 5276
<211> 511
<212> DNA
<213> Glycine max

<400> 5276

agcttggagg agagcaaatc agctatatct ttcccaaacg atatgagtct cccataattt 60

atatttttca taaacccaag attctctttg ccattttgaa atgcaccgga agaatcattg 120

ttcttgttct tctttacact gcaggtatag gatacatcag ctgaccaatc aaggccaccc 180

catatagtat acccaccttt gggtatcatt gacatggttg aatcccacgt tcgggtcatc 240

cgcattagat gctgtaaagt tttaagacca aaaacatcct tattccaaaa acctggtgcg 300

aaagtcctgt atgaggttta gagattcatt agattatata aggtatcaca gctaacatga 360

ttcattttta aacaatatca tcaatggaaa ttacataaaa attcacccct acaaaatctg 420

gataaaattc ttatatattg gcaaggaaac acaattttcg aagaacttat taacagaatc 480

cacagcctta taaaaatatt ttattggagg a 511

<210> 5277
<211> 487
<212> DNA
<213> Glycine max

<400> 5277

actaagctta agaaaaatgg cctcagcaaa cttcttattt ccaaaaggaa attcaatcaa 60

tagaccttca atctttaatg gagagggtta ccactactgg aaaacccgaa tgcaaatttt 120

tattgaggca atagacttaa atatttagga agccatagaa atagggcctt atatacccac 180

cacagtagaa agaaccacaa tagatgggag cacaacaagt gaaagcataa caatagaaaa 240

acctagaata gatggtctga agaggataga agacgagcac aatataattt aaaagccaaa 300

aacataatta catttgccct gggaatggat gaatatttca gggtttcaaa ttgtaagagt 360

gctaaagaaa tgtggaacac tctacaatta acacatgaag gtacggcaga tgttaaaaga 420

tctaggataa acacattaac tcatgaatat gaactattta ggatgaatgc aaatgaaagc 480

attcaag 487

<210> 5278
<211> 383
<212> DNA
<213> Glycine max

<400> 5278

ttgtccctag gctaaacccg tatcacagaa gaaaaagaag atgggagaag aaagatgcaa 60

agctgtcaga aaaaagtaga caaactcctt aatgctaaat tcattagaga catcagatat 120

tctacttggc tcgccatcat cgtcatggtc aaaaaggtca aaggcaaatg gcgaatatgc 180

accgactaca ctgatctaaa cagggcgtgc cctaaagatg attaccctct gcacaacatc 240

gaaaaactgt ggaaggaatg ccttccaaga ttattttgat gatgccaaag aatcaagtgt 300

aaaacaagtt tcaagaatca agatcaagat tcaagattca agtaaagtat catgaactca 360

gattcaagaa tcaagagaag act 383

<210> 5279
<211> 576
<212> DNA
<213> Glycine max

<400> 5279

agcttataaa gaaaaatgat ggcatggttt taacccaatc acattatgtt gataagctat 60

tgaagaagtt taattatttt gatgtaaaac ctatttctac ttcttatgac tcatccatta 120

agttaaagaa aaaattgaat aaaggaattt cttcacataa atattctcaa attattggtt 180

ctttgttgca tttgacaaac ttctctaggc ctaacattgc atatgaaatt ggtagattag 240

gaaggtatac taataatcat gatcattctc attggattgc attagaaaga gtttttagat 300

acttaaaagg aaccattaat tatgacattc attatacatg ttctcgtgca gtaattgaag 360

ggtttagtga tgcaaattga atttctgatt ctaatgaaac aaaattgaca agtggttatg 420

tctttactgt agctggtggg gtagtatcat ggaaatctgc taaacaaact attatttcat 480

gttctaccat ggaagcataa attattgctt taaatactcc tactagtgag gttgagtttc 540

ttaaagaatt gttattgtga tttgccattg gttaat 576

<210> 5280
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5280

agctntgagc taattcaaac gacaataact ttttactcgg atgtctgatt gagtcctgtc 60

atatatcgac acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaatatc 120

tttttactcg gatgtctgat tgaggcccgt aatatatcga gacgctcgaa attgaatgtt 180

gaacctctga gcaaattcaa acgacaataa ctttgtactc ggatgtctga tatagtcccg 240

taatatatcg agacgctcca aattgaatgt tgaagctctg aggaaattca aacgacaata 300

actttttact tggatgtctg attgaggccc gtaatatttt gagacgctct aaattgaatg 360

ttgaagatct gagccaattc aaaacgacaa taacttttta ctcggatgtc tgtatgagtc 420

ccgtaatata tcgacacgct cgaaattgaa atgttaagct ctgacccaat tcaaacgaca 480

attacttttt actcggatgt cagatt 506

<210> 5281
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5281

gaactcctgc ttccatcatc tcttccaaga ttatgttcca atatcttttt gtcatttata 60

tttatcccca cacttttctt tcatttcaaa atcgaaattc tataaatttt ttgaaatgaa 120

agaaagagac ccggtatact gaaatagaaa taagtgttcc aaaggaacct tctcttttac 180

cgaagattgg cctttgataa atgatcgggc catttttttct atttaatatt taatatgatt 240

attctctnta taatctttct tttattatac aaaataaaat gaccgaagat gaatccgctc 300

ttaagaatca ttattttagg aattataaat actcagatgc tgcgatgtat cgcataaatt 360

ctttg 365

<210> 5282
<211> 480
<212> DNA
<213> Glycine max

<400> 5282

agcttcttac aaagcatacg gctttctgga tgtatatgat gatatctata cagatggatc 60

ttatatatct atatatctat agatagatat atagatgtag atatatagat atagatcata 120

caatgaagta ccgcacgagt gggtatatag gaatccaaat ctgccgaatc actcatgtta 180

tgatcttcta catcctaggt cttcccgttc cttcatctgg cttatgttct tcatgtagca 240

ttcagactga atgactctat gaaattacgt cgctacttcc acatggtacg ggtaacgtag 300

gagacatctc tatttttccc gggggggaatc cttagaatta ccacagctta gcttttaatt 360

cgcctctgac catcaaatga aatgtgaata acgccgtctc ccctttttg agactttgaa 420

acaaagggtg cttccggttc tgtcggtggt tgaaacaatt ttgtcttctc catattacta 480

<210> 5283
<211> 369
<212> DNA
<213> Glycine max

<400> 5283

tttaaatttc ttttaagatc tccatgctga attaattttt gttttgaatt cttaatacat 60

ccttttgttg cattggattt cttatatatt aaatgtgatt ttgagttttt attgtataac 120

gtgttacatc tcaatggtag atatatagta ggaattgact gttgagatga tatcatatta 180

tcactcactt actcaaaata aaagttttga catattaggg atattatatt ataaaaaaat 240

tatttgagac ccaagtaaaa attgatcatc tatttattat gatatcaaag atgtttaaac 300

attttttgg cattttagag tgaattgaga tgtaaagaaa gagggatatt tgtgaattgc 360

tagaatcat 369

<210> 5284
<211> 331
<212> DNA
<213> Glycine max

<400> 5284

agcttgtagg gttaaagtct catgattgtc ttgtcctcat gcaacaattt tcaaccgtgg 60

ctatacgaga tatcttgcca aacaaagtcc ggttatcgat aactcgactg tgctttttct 120

tccatgctat ggttagcaaa gtcattgatc cattcaagtt tgatgagttg gaaaatgagg 180

ccccaattat attgtgccag ttggagatgt atcttccccc tactttcttt gacatcatga 240

ttcacttgat tgtgcatctg gacagagaaa tcaaatgttg tggtcctgtt tatctactgt 300

gaatgtaccc cgttgagcga tacataaaga t 331

<210> 5285
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5285

tgtaggcctt ggatcttctt catcaatgga gtcctttgct tcttgaattt taatggcagc 60

aaaatggaga agaagaagag ttgagcggag acgccacttc aagaagaaga tgagtctaga 120

agaagctcac caccatagga agccacggat aagagcttga aggtaggaga agatgaatgg 180

agggagaggg agagaaggag caagaaattt tgtgcctcaa aagaggtgtg aactttgaag 240

tttaattctc aaatgataaa agttgaaaaa atgcacacac atggccttta tttatagcct 300

aagtgtcaca caaaattgga gggaaatttg aatttctatt caaattttac ttgaatttga 360

aattgaattt gtggagcaaa aatttcacta attatgatta gtgaatntta gctatggttt 420

agccccctaa tcgaagatca 440

<210> 5286
<211> 240
<212> DNA
<213> Glycine max

<400> 5286

aactccccct ttgagaaaat tcaaacgaca ataacttttt actcggatgt ctgattgagt 60

cccggaatat atctagaggg tcgaaattgg ataccgaagc tctgagcaca ttcaaacgac 120

aaaaactttt tactcggatg tctgattgaa ttccgtaata tatcgtaaag ctcgaaattg 180

aatgccgaag ctctgagcta attctaacga caaaaacttt ttactcggat gtctgattga 240

<210> 5287
<211> 488
<212> DNA
<213> Glycine max

<400> 5287

agcttatgct aatctacctt gcaccccaag ttcaacacgg tcccaaataa atcaaacact 60

atcatatata ggcataggca catccatcat tctctcatca attcatccat tattagcttt 120

tttgtttctt caatttttc ccatttcttt agcccacaat tccaaggaac aaaaatgatg 180

agagagggtc aacaacatgg tatggtgaga tcttattgga tcctactaaa tccacttaat 240

cctagaccta ataccagaat cattaatcgg tctaattccc cttacaccac tagaaatatt 300

tggtagggtt tcttctaagc caactaatca ctcaaagtac acaggaaagt gtggcaaacc 360

acgttgccct gggtgccacc tctactcagc ttggaagtcc aagggccaaa cccaaggtac 420

caaaaagcac aaacacttag taacacacta ctataaaaaa taagctttaa ccgatgtgga 480

ttcaatga 488

<210> 5288
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5288

tgtaaacttg tccaaaatcg cgaagtgaac ctcggatccc tgtcagatac aatactagaa 60

ggaattccat gcaaccttac tactttcttg atgtacaact ccactagctt ctccattcta 120

tacttcatat tcaccggaat aaaatgagca gatttggtga gtcgatctac tatgacccac 180

acagcatcat gtccacgact agtcttangt aaactagata caaaatccat agatatgctc 240

tcccatttcc attccgggat ttccaatggc ttcaattctc ccgatggtcg ctggtgctca 300

accttagcct tttgacatgt caaacatctt gctacatatt cagctacatc tttcttcatg 360

ccatgccacc aaaaacttct cttcaaatct tggtacatct tagtcattcc tggatggaaa 420

ctaagacgac ctttatgcgc ttcttccaag atcttaactc 460

<210> 5289
<211> 633
<212> DNA
<213> Glycine max

<400> 5289

agcttctata gaaggttcgt tcctaatttc tctacaattg catcacctct caatgagctg 60

gcgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaaac ttactaaggc atctgttcta gctcttcctg acatttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatagt gccaccctca actaccccac ctatgataaa 300

gagctttatg ccttaataag agccctccaa acttgggaac attaccttgt ttccaaggaa 360

gttgtcattc atagtgatca tcaatcactt aagtacatta gaaggcaaag caagttaaac 420

aagaggcatg caaaatgggt agagtaccta tagcaatttc catatgttat caaatacaaa 480

aagggaaata caaatgtggt agctgatgcc ctctcttcga gacacacatt gttttgctcc 540

ctaagagctc aaatttacga tttgataata tagggacttg tatgctttag atgaacattt 600

ctcttccatt tatgatagtt ggggaaaaaa ggc 633

<210> 5290
<211> 378
<212> DNA
<213> Glycine max

<400> 5290

gacactatga aactaagctt gagcaacttc aaacgacaat aaacttttac ttcggatgtc 60

tgtatggagt gcccgaaata tatcgggacg ccccgaaatg gaatacggaa gcttttagaa 120

aattcaaacg acaaataact ttttattcgg atgtctgatt gagtcccgta atatatcgaa 180

acgctcgaaa ttgaatgttg aagctctgag caaattcaaa cgacaataac gtcttactcg 240

gatgtctgat tgagtctcgt aatatatcga gacgctcgaa atggaatacc gaagctctga 300

gcaaattcaa acgacaataa ctttttactc cgatgtctga ttgagtcccg taatatatcg 360

agacgctcga aattgaat 378

<210> 5291
<211> 183
<212> DNA
<213> Glycine max

<400> 5291

gatcaaaaga tttgggatgg atagtgcaaa acacatgtct acaccgatga gcactaattg 60

ttacttagat aaagatgaat ctggtcagtc tatagacata aaacaatatc gaggtgtgat 120

cggatctctt ctttatttat ctgctagtac acctgatatt atgtttagtg tatgcatgtg 180

tgc 183

<210> 5292
<211> 486
<212> DNA
<213> Glycine max

<400> 5292

ccggtcatgg aaagacttgg caactgcctt cattatgtag taccaataca acatgggtat 60

ggctcctgat cggaaccaac ttcagagcat gaccaagcgg gaacatgagt ccattaaaga 120

atatgctcaa aggtggagag acctagcagc ccaagtcgtc ccacctatga ctgagaggga 180

aatgatcacg ataatggtag atacgttgcc tacgttctac tacgagaagc tgataggata 240

tatgacgact aactttgcag acctcgtctt caccggagaa agaatcaagt ctggactgag 300

gaaaggcaag tttgaatatg cctccaacac tgtccccaac aacaatagaa gagccccagt 360

ggtgggcaca ctgaaaaagg aaggagatac ccacgcagtc accaccgccc caacatggat 420

gaaaacgccc cagaacggcc aaaactcata ccagcacaac cacgcgaatc ttttttatcc 480

gagccg 486

<210> 5293
<211> 471
<212> DNA
<213> Glycine max

<400> 5293

agcttggaag cattttgata gaatgcattc tatgtttact ctcctaggaa tgtcaaatta 60

gaaaacctta ctcttgttgg ctagttatct taactccata tacccccccc ccccccccct 120

gatttttgca ggaagaggga aattatggtt ttgaaattct taattccatg tccatcaaat 180

ccaaagcaca aaattgatgt gactttgcaa ttgctaataa atgagttatg taccttatgg 240

aatgatggcg tactaaatca ccatgtggct ttgaggctaa ttcttgagat aaggctgttt 300

tgatgtggac tttaaatgac ttctcaactt atgggattgt gtcatgttgg atgacgacag 360

ggacacttgg attgtctatt tgaatggaaa catacaaagg cattcacaaa tataaacttt 420

gtcaaagctt tggatttttg attgtcatca ccaattcctt gcccttgatc a 471

<210> 5294
<211> 401
<212> DNA
<213> Glycine max

<400> 5294

tgctctaagc tgtcaattcc cttagaaaaa ttttgatttt tatagcttca tcaaaaccat 60

gagtgggagt ttgcctaagc aaatatctaa atctttccca agcttctcta aggaactcat 120

catatgtttg ttggaaaata tatagcagcc tttcccttgt tgatctttga ccttgggaaa 180

tacttgtacg gaaacttggc cattacgtca tcccacctaa acaagttatt cggaggaaag 240

gatcttaacc atgagatgac atctctagct agagaaaaaa ggaaacaagc acaaacttca 300

ttcgccacat gatttatctt cacggtgttg catatgtcaa tgaaggttga ttgatgtgtt 360

tatggattct catgattatg ctcatggaat tgattatttt g 401

<210> 5295
<211> 383
<212> DNA
<213> Glycine max

<400> 5295

tattcaaata tgacttaaaa caaaaaagaa tttcatattt ttcagggatc aagaatacat 60

tttagtccag aattgaagat aacacgtttt ttaaaatttg gacattgctg ttcctcaatg 120

gttattttgg tttgtgttgt agggagtctc tgctgttagg gccttttatg agctacttag 180

ccagtccagc ttaaatgtcc taaatcctga agagaacaag catgtagccc cagtggagct 240

ctgtcccatc ttgaagatgt tatacagaat attgataata aggtaacaca tttagctacc 300

tccttttta cctttgaatg atcaaaacag agaactgaat tctaattgtg aaactaccat 360

tttcaatggt ttttgctgat ctt 383

<210> 5296
<211> 509
<212> DNA
<213> Glycine max

<400> 5296

agcttgacca ggaattactt gtatgggttg gatgttgaat tctggttgtt cctggtgcgg 60

agatgatggt acagcgggtg aaccacaagc ggaagtttct tttggtgagg tagccatgga 120

aaaacagagc gtttggaatg atttcgaaaa tctcacaaaa ctattgggaa atgctggtaa 180

aaacacgaat gccaagcaga tataaatttg aatgaagaat gtagaggggc gtgtgaggca 240

acggtcgaat ttgctttgtg gtgaacgtgc tattaatgtt aagtgattcg tttgggcacg 300

ttcagattgc agtagctgct ataattcctc tagcagacaa atgcccagct tgcccctcag 360

ttattcaaac tgatttgcat ccaaagcctt tgagaaaata tctgctattt gttcctcagt 420

gtcaacatgc ttcagtgtga tcactttatt atcaacaaga tctctgatat agtgatgcct 480

aatgccaatg ggcttggttt tgctgtgtt 509

<210> 5297
<211> 544
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5297

agcttctcaa ccaaatccaa aaccctcact tgcttcgtga attgccagca gtaacctctc 60

ttctaaatgg tgtttagatg gatactccgg cgagctaata gaataatctg cttgaagaaa 120

attccgtttt gattatttca aatcacacga ctataatgat ccatcaaaat ataaatatag 180

cctatagctt acagataatc acactgaatg gtaataggta tataggccta tagggaattt 240

tgaaaagggg gaaaagacat accaagtatg agcagaaggc aagtgatcag gacttccata 300

tgctttgtgt atctgaaact tctgggagcc tgaaattcct tgaagagcgc taaagccttc 360

caaaggcacc tgaaacatta gtgaaaaaaa tgttttaacg gcttcaagtt tgcaaaaata 420

atatgccaac atcattaata tatcataaca aatcccagga caaagagaaa gctctgatcc 480

aaggtgggca aaattgagat cttatgggga gaagaatgan agaactcgtg aacatgaatc 540

ataa 544

<210> 5298
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5298

tgctaatagc ctcatttgga gattatgaga taaaggagac acaataagag ttgattctaa 60

naatattatg tcctgngcta tatggaatac acttcaactt cttgaagaac ctttgggaga 120

ttatgaacga ggatatggtg aggttcattt tcgaattcca tgctcatgga antctaccta 180

gaggtactaa tgcttctttc ataactcttg tgcccaaagt agaagaccca tataactgag 240

tgcgttatac ccataccttg gtgggatgta tgcacaaagt tctaacanaa ctcttataga 300

atagaatgac aaacgtgatg aatggggtga atgatcatag acaaag 346

<210> 5299
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5299

ctacaagggt atgataaatn tgctggaaga atcaatgaaa cattggacta tcgctccgcg 60

agagatgcgc aaggacatgg aacacacaca gcctcaactg cagctggtaa catggtgagc 120

aatgccagcc ctttcggctt ggcacgcggt tctgccagtg gaatgaggta cacctcaaga 180

atagctgctt ataaagtatg ctggcgtnta ggctgtgcta actctgacat attggcagct 240

attgatcaag ctggtgctga tggtggtgat gtgtagtcac tctctntagg tgggatgcta 300

aaccttacta caatgacagc agtgccatag cctcatttgg agcaacacac aaaggagttg 360

ttgtttcttg gtcagcacgg caatctggtc cctctagatc aactgctgga tatgttgccc 420

atggatcatg actggtgctg ctagctacac t 451

<210> 5300
<211> 281
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5300

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gaacaattat gacctctcta gtaacagata caatcccgga tggaggaatc accctaatct 120

cagatggtct agccctcaac aacaacaaca acaacaacct gctccttcct tccaaaatgc 180

tgctggtcca aacaggtcat acgttcctcc tccaatgcaa caacatcaac aacaatagca 240

acaatagcca cagagacaac aatcaactga ggccccttct c 281

<210> 5301
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5301

agtcccgtcc aggtagtccc ganatagact agcctcacag tgatcagana tgagaacgat 60

gagctgattc ctactcgggt gcagaacagt tggagagtct gcattgacta taggaggctg 120

aaccaggtta ccaaaaagga ccatnttccc ctgccattca ttgaccagat gctagaacgc 180

ctggcaggta aatcccacta ctgtttcctt gatggttttt ctgggtatat gcaaattact 240

a 241

<210> 5302
<211> 357
<212> DNA
<213> Glycine max

<400> 5302

gctatgaaat agtttattat gactccttcg ataagcttat gagacaataa gaagttcgcg 60

acattaagct ctctaagagc ttatggaata tgggtggtgt tggataaata acttaattaa 120

ttacttattg aataagtgat tatcatggaa aagttgttta tagaaccaaa gaggaaataa 180

tgtaaggtgt aaggtgttct cataagctat cgtagagagc ttattgaagt aaagctgaaa 240

agagcttata tgcatattgt aaccgatttt ttataagctt ttccaccagt tacataaatg 300

tttatgtcat aagataagtc aaataagctg tgtaaataag ctcttaaact caaactt 357

<210> 5303
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5303

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atggttgcaa atgtgtgtac aagatcaagc atcatgctga tggatccatt gaacgataca 120

aggcccgttt ggtggcagag ggatacactc aactagaggg tgtggattat nttgacactn 180

tntcaccagt tgctaagctt accacaattc gcacccttct atctgtggct gctattaagg 240

actggcactt agaacaactt gacgtcaaca atgctnttct tcatggtgat ctgcatgagg 300

aagtatatat ggatctgcct cctgagtctt actgcctgtt cttctttaat aagtctgaaa 360

tacataagtc ttatat 376

<210> 5304
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5304

gcgtctcgat ataatacggg actcaatcag acatccgagt aanaagttat ggtcgttgga 60

atagcctctg aggttcaaca ttcaatttcg agcgtctcaa tatatttcgg gactcaatca 120

gacatccgag taaaaagtta ttgtcgtttc aattggctca gaggttcaac attncaattt 180

gagcgtcccg atatattacg tcactgaatc ggacatccga gtaaaaagtt attgtcgttt 240

ggaattgctc aaatcttaaa catttcaatt cgagtgtctc gacatattac gggactcaat 300

caaacatacg agaaaaaagt tatggtcgtn tgaatttgct ctcagcttca acattcaatt 360

tcgagt 366

<210> 5305
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5305

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tagcactctc ccactcaaga acagcttcta tgttagatgg atctacagct atacccnctt 120

gagatatcac atgtcctagg aaactaactt tctctaacga anactcacac ttggacaact 180

tagcatagaa gtgtcagtcc ttaagagtat gcaacacaat cctcaaatgg tcttcatgct 240

cctctctagt cttagagtat accanaatat catctatgaa tactaccaca naactatcaa 300

ggtaagggtg gaaaactcta ttcatgtagt ccataaacac ttctggagca ttagtcaca 359

<210> 5306
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5306

tggaagctgt cgagaaantc anatggtcct atcttctcan acggatgttt gtattggaca 60

cataatatat cgagacgcta tgatattgaa cgaattggaa cctctcgaga aaaattcaat 120

tggtcataac gtttcacact ttatgttcga ttcgggcgca ttatatatcg tgacgttcga 180

aattgaacaa cggaacctct tgagatantt aaatggtcat aactattcac acgaatgtcc 240

gattcaggga cttaatatat cgagac 266

<210> 5307
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5307

gccactctga ttacttttcc tcctctgnga gcataattct aagggaagcc attcttccta 60

aaacatctat caactgtatg aatgtctttg ccacagtaag tacatgaaaa tcctgaattc 120

gatgaggttg tgcttgctgc attgatcaag ctactgtttc ctatcatatc attgctatta 180

atctatcttt cttgttgaat tgcataagaa aagactttag ttatgccagg taaaggatcc 240

atcatcaata cattggatct gacagtgttg tactgatcat ttaatcccct aaggaattgc 300

ataactcgat cttgcttctt tctttccata acactaacaa gagcatcaca tgtaccattt 360

<210> 5308
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5308

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ttagacactt nctgagcagg tacgagcaga tatgcaagtg ggatcagcaa ctntcattat 120

cagagtaatc aagcacagcg gtatctgtag tggcgacagc aaaattctgc aggttgcaag 180

tcgttgtcag gatgtcaaga catctcatgt gacatcagct ntctgctccc cctgtctcca 240

tgctgctact gctgtgaagc agttcactgc agcatcttct atcagctact atgcttctcc 300

aggatgcaag acatctcacg tgacatcagc tnttngctac cnctggctcc atgctcgtac 360

tgcatcttct atcagctact aagttcagta gcgtacatca gtcatcatca gcagcagtct 420

ccccctcaca atcatataca tacaact 447

<210> 5309
<211> 281
<212> DNA
<213> Glycine max

<400> 5309

actcggatga ctggatgagt cccgtcatat atcgagacgc tcgaaattga atgttgatgc 60

tctgagcaaa ttcagacgac aataactttc tactcggatg tctgattgag tcccgtcaca 120

tatcgagatg ctcgaaactg aatgttgaag ctctcggcca attcaaacga caacaacatt 180

ttactcggat gtctgcttga gtcccagaac atatcgagac gctcgaaaat gaatgtggaa 240

gctctgagcc cattcaggcg acaataactt tttactcgga t 281

<210> 5310
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5310

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ataatnntca aaacttttttc aataggatca ctgaatccaa tctgctggta ggtccctaca 120

nagatccaat tgaaagaata aacaatatgg ggacccaatt atagttntta aactatagga 180

acctatntaa gaataccta cacataaagg gggctggcag anntaattaa ctactaatat 240

attcttcagc tcccgcctat tatgtgaaca ccttgnncaa cagaatattn ttgttcagtt 300

tatattanaa tcacatatac gtagaagtag aatcaactac taaantattt acctcaacac 360

tattcttgcc aatccatgtt cctataagac aatcttcttt atcctctcca ggatatgtat 420

actgaaagat gaagcaatct ncactattaa aatttgactg atcag 465

<210> 5311
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5311

tcgctggggc agcatctaga gtcctagaag catattatat caccctgtgc aatntatcaa 60

ttntctgagc aaggacagcg cccaatgcat aatttgatgc atcacacata agctcaaaag 120

gggctgttca atcggctgcc tggatgatgg aggtggtagt cagcgctctc ataatgcaat 180

caaaagcctc tttgcatctg tcattaaagt caaactccac ctcctttngc aacatgttgg 240

acagtggaat ggctac 256

<210> 5312
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5312

gctacatcac tggggaagat aacaatatcg attcatccgg agacctcaaa natgaagttg 60

tanatntaag tctcatggcc aacaactatg aaagcgaaga agagaggatg ctctanacac 120

atgatgggag atgcatcaaa gtttactcat atttctccca agaatagtgg acatgtgact 180

tatggtgaca acaacaaagg taaaattctt ggagtcggaa aaataggtat gaatccatct 240

acctccattg aaaatggttt acttggtgat gatcttaagc atagtctgct aagtgttagt 300

caattatgtg ataaaggtnt ctagtggtca ttggactctc ataatgtgat attaaaaata 360

aacatgatna aaaatataaa catta 385

<210> 5313
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5313

ttaaatgttt aaatattttc atatatttat atattaagta gttaagaatt attaataatc 60

agttntttca gggagactta ttaattgata tgtgatcatc gattgagaaa attatatatg 120

tgatggttga tgttagatga attatggtac tttatcagat tatagcaacg gtctttatga 180

tttaataaaa gagcttgtat gcaaatatat ntagtaacat cctctgtgat ttcctataat 240

aatgctgtgt aaattaaaag catacactaa cattgctttg aagcataccc tacactcttc 300

actntcttca atcttatcta cacttctaga taagagaatt atattaaaac agagatcttg 360

ataatataca aattagaaat atatataatg gtctcattta aatcttagat gttaaaaat 419

<210> 5314
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5314

tcacctgcgg catgcaagct tggtcatctt gagctagtag gtcatcatcc ttatttgaag 60

ttggtggngc aacatatttc tttggcctaa taggaactcc aatatttttg cagcttctga 120

tgttatgatt ggtttggcca caccttccac atgtaaagtc aggcaatttc ctctttagcc 180

tatgtcctat gacattgtct tcatctacag atctcattct atttttctta ggccttcctc 240

tttggacctt tttatgtggt ggaacaggtt gtgcatgttg tgtctgggcc caatattgtg 300

gtccttggac tggttcaata aaatggtggt atgtcttgtt ataagcctct attgacagcc 360

actcatgaca catgtcctca ggcttgcctc ctttgtgact tattgntgca atggcatgtc 420

gcatggcatc cctacatcaa agttgtcaaa tcagcacaca tg 462

<210> 5315
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5315

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aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactaaaa 300

atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360

ctctagaaac attacaagaa cattttttatt ggcctcatat gaaaaaggat gtgcagaaat 420

attgtgaaca ttgcattgta tgtaaaaag 449

<210> 5316
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5316

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taccaggatc cttgcacaag atgaaaataa ttttctctct ttgaccgttt aaaatgataa 120

ttgctcaaat aatcggttta atcagctctc aaaccgatca attagagaat tgaattgata 180

aagaacataa taaaataaaa ccaaattaat ggcaaaaacg gatttgaact ggagtatttc 240

ttatgctttt tattcataaa cctttgttaa ataacactcg tacaagaaat gtatctgtaa 300

aacggaattt taaataaaat actaaagata aaagtatgaa gaaaaaaact tatangttnt 360

caaagttaat tcaagtacct tcttctaaaa aataaattat taaaataagt ttactttata 420

aacanatagc ttataaacta gtcaaa 446

<210> 5317
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5317

cttaactcgg aggtccgata caagcgcata atatatcgag acgctcgaaa ttaaccaacg 60

gaagctctcg agaaattcaa atggtcataa cttttaactc ggatgtccga ttcaggcgca 120

taatatatcg agacgctcga aatntaacaa cggaagctct cgagaaattc aaatggtcat 180

aacttttttac tcggacgtcc gattcaagcg cataatatat cgagacgctc aaaaattaac 240

aacggaagct ctcgagaaat tccaatggtc ataactt 277

<210> 5318
<211> 344
<212> DNA
<213> Glycine max

<400> 5318

agcttctaca ttcaatttcg agcttttcga tatattactt gtactcaatc ggacatccga 60

gtaaaaagtt attgtagttc gaatttgctc agggcttctg tattccattt cgagcgtctc 120

gatatattac gggactcaat cggacatcag agtataaagc tattgatggt tgaattttct 180

cagagctatc gctttccatt tcgagcatct cgatatatta cggtactcat tcagacgtcc 240

cagtgacaag ttatgtgagt ttaaattgcc cagggcttcg gtattccatt gcgagcgttt 300

cgacgtatta cgggactcaa tctgacatcc gagtaaaaag atat 344

<210> 5319
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5319

tctgttagtg ttatgcctct gtctatttnt aattctctat cttaggtccc ttgcagtcaa 60

ctgatgtggt aattcattta gctaatagaa gtgttgccta ccctgttggt ttcatagaag 120

atgtcttagt tagagttggt gaactgattt tccctgttga tttttatatt ttgaatatgg 180

aggatggatt ttctcaagga tcagttccca tcattctagg cagacccttt atgaaaactg 240

ctagaactaa gatagatgtt tatgcaggca cactatccat ggagtttggt gatataattg 300

ttcattttaa tattctggat gctatgaaat acccatatga agatccttct gtatttcgtg 360

ctgaaataat tgaccatgtc gttgatgaat acatgactga tctttactc 409

<210> 5320
<211> 398
<212> DNA
<213> Glycine max

<400> 5320

ctcagcttgt gaagcaaagg ccagctatgg tcttcaaggt ggattttgaa aattctctat 60

gactcagtct catgggcttt tctggattat atgctgcaaa gaatgagctt ttgccccaaa 120

tggagacaat ggatttctgc ctgtctcaat tcagcaacca tttcaattct tgtgaatggc 180

agtcctacaa aggagattgc tcctactata ggcttgatgc aaggggaccc tttagctccc 240

ttactcttca atatagttgg agaaggcatc acaggattga tgagggaagc agttcagaag 300

aatgtatata gaagttacat ggttggaaag aaaaaggaac ccactaatat tttgcagtat 360

gcagatgaca cagtatttgt gggaggctgc ttgggaga 398

<210> 5321
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5321

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gtatatcgag atgctcgtaa ttgaaaacag aagctctaag caaattcaaa cgacaataac 120

ttttgactcg ggtgtccgat tgtgtccggc gtatatcgag atgctcgaaa ttgaaaactg 180

aagctctgaa aaaaatcaaa tgacgataac tttttactcg gatgtccgat tgaatcccgt 240

aatatatcga gacactcgta attgaaaata gaagctttga gcaaattcaa acgaccataa 300

cttttg 306

<210> 5322
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5322

ctcaagctta tgctgcatan attacaatag acctcctcaa ccttagcttc taaatcaacc 60

acttcagaac aattatgacc tctctagtaa cagatacaat cccggatgga ggaatcaccc 120

taatctcaga tggtctaacc ctcaacaaca acaacaacaa caacctgctc cttccttcca 180

aaatgctgct ggtccaaaca ggtcatacgt tcctcctcca atgcaacaac atcaacaaca 240

atagcaacaa tagccacaga gacaacaatc aactgaggcc ccttctcaac cttccttaga 300

gcagttagtg aggcaaatgg caatacaaaa tatgcagttt caacaagaga caagagcctt 360

cattcagagt ttgacaaatc agatggggca gatgaccact cagttgaacc atgctcaatc 420

ccaaaactct aacaagct 438

<210> 5323
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5323

cagcttgagc cnaaacccaa ctcgcgctaa atcttgatct gttttagaat ctccatcctc 60

gccctcagaa gaaaacaaaa ggaaaaaaga atgttcccga ccaaagatcg gaagagaact 120

aatagaaaat atacagaaag gtcttctgac caggcaacat ctgaacagaa cataactgtc 180

accagcaaac aagaaaagaa aggaaaccac aatttgaagt ggtcctcttc ctttgattac 240

caaccaaaat ctcatgcact ggcaactttc tcgttccgca ctaaacaaaa acagagaggg 300

aaaggccaaa acactcagag ccaaattttc caccaaaaac actattcacc aaaagtccta 360

ttgatccgtg atcacatgtg taatctttga tttgatagga aatggcttgc aattcaagtc 420

atgacatatc tatggtttgg aattaagatg aaacac 456

<210> 5324
<211> 326
<212> DNA
<213> Glycine max

<400> 5324

tatcacggac ctatgaaact aagcttaaca ttcaatttcg agcgtctcga tatattacga 60

gtcttatatc aaacatccga gaaaaaagtt attgtcgttt gaatttgctc agaggttcaa 120

cattcaattt cgagcgtctc gatatattac aggactcaat cagacatccg agtaaaaagg 180

tattgtcgtt tgaattggct cagagcttca acattcaact tcgagcgtct cgatatatta 240

cgagactcaa tcagacatcc gagtaaaaag atattgtcgc ttgaattggc tcagagcttc 300

aacattcaat ttagagcgtc ttgata 326

<210> 5325
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5325

agcttagagc caattcaaac gacaataact tcttactcgg atgtctgatt gagtcccgtc 60

atatatcgag acgctcgaaa tttaatgctg aagctcttag ccaattcaaa cgacaataac 120

tttttactcg aatgtctgat tgagtcctgt aatataacga gttgctcgaa attgaatgtt 180

gaagctctga gccaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

tcatatattg agacgctcga aattgaaagt tgaatctctg agccaattca aacgacaata 300

acttttttact cagatgtctg actgagtccc gtnatataac gagacgctcg aaattgaatg 360

ttgaagctct gagctcattc aaacga 386

<210> 5326
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5326

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aagacttcac atcatttaca tattactacc aaatatcaat atgtcatcca gatacaaaca 120

taaaatgaca catccactat catcaaattg tttcatatac acacattatc actatcatta 180

atttgaaaac catacgaaag aataactnga tcaaactttt gtgtcattgc tttggagctt 240

gtttcaaacc atatagagat ttaacaattt atttttcaag gaaaaacatt ttcaaagaaa 300

gtgacatctc tagattccat aatagtacca ttagaaattt ttgacacttc tgaattaaca 360

actaagaatc tataagaagt atcatgttaa gaatatccaa c 401

<210> 5327
<211> 395
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5327

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agcttcaaca tcagttttca atacaaaact gatgttaact atgtgatgta aacgttaaca 120

tcggctttat gaaaaaaatc aatgttaatg aagtcatgtt aacatcggtt tttgaaaaac 180

cgatgttaat gtaagttcgt taacatcggt tttctgcaaa atcgatgtca actaatgcac 240

attatttaca attatgccac cgcatttatg ttaacatcgg ttttaccaaa aaccgatgtt 300

aacctgatga tgttaaatct atagtctcta gtagtgcctt tgaagcagat gtaaaagaac 360

gtcaacgaaa gattacgatt tgcccttcat tgatt 395

<210> 5328
<211> 441
<212> DNA
<213> Glycine max

<400> 5328

cgcttgatgt ttgtgttgaa tgcattaaag gtaaatatac caatagaaag aaattgggtg 60

catatagagc tacaaacgtc ttggaattga tacatacgga catttgtggg ccatttcata 120

caccttcatg gaatggtcaa caatatttta catcactcat agacgattac tccagatatg 180

catatatgct tcttatacat gaaaagtcac aatctctaga tgtgttcaaa acatttaaag 240

ttgaagttga aaatcaactc aataaaagaa tcatgagtgt cagatctgac catagtgatg 300

aattatatgg cagatatgac agttcaggtg aacatcgtcc gaggccgttt gccagctact 360

tagaggaata tggaatcgtc ccacaataca ccatgtcggg gtcacttgca tgaacagtgt 420

gactgaaaga cgaaacataa c 441

<210> 5329
<211> 308
<212> DNA
<213> Glycine max

<400> 5329

tagcatcact cttaattgta tcattgtgag ctttatgtgc ttagggagga aaaacagaag 60

caaccaaata attcacaata ttggaaaact agggagtggg gaaggaatca gaaatactat 120

acagaatgta caaatggtca tccagaaaat catcccgaat aggtgagtcc ttagacacac 180

gctcaatcct actcaagtgg tcaaccacaa ggttctgtgc accgctccga tcacggatct 240

ccaaatcaaa ctcttggagc caaagcatcc acctaatcaa tctaggcttt gattcagcct 300

tcttcaac 308

<210> 5330
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5330

agctntnnta ttttagcaga tgaagatgaa tctgtggcca cctcatggac tcctctaagg 60

acaatagcat aatttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa 120

ttcctagcct caacaggagt catatcacca agggctccac cactggcagc atcaatcata 180

ctcctctcca tgttgctaag tccttcatag aaatactata gaaggagttg ctcagaaatc 240

tggtggtgag gatagcttgc acacaatttc ttgaaacttt cctagtactc atacaagctc 300

tctccactaa gttacctgat gcctgaaatg tcttttctga tggcagtggt cctagatgca 360

gggaagaatt tctccaagaa cactctctta aggtcatnct agctggagat gga 413

<210> 5331
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5331

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gtgtttgcag cttctcccca aaaggtcttt ggcagtccag cacttatcgg catgcacctc 120

actctttcca aaatggtcat attcattctt tctactaatc cattctgcta tggagtgtaa 180

cggactattg agcgccgttt gatacctgat gctccgtcaa actaaacgaa ttgctctgaa 240

acaaactcca tgccattttt actccttaaa acttttgtg ttgtaccaag ctgatttcca 300

ataaaagtat gtcactctct gaatatttta aaagcttcta atgtgttatt taaaacatac 360

agccat 366

<210> 5332
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5332

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tttgatagct cactaagatt gatcttatag agattgcctt tcctcttagt agaaaagagc 120

ttagtcccat ttttatttg gacaatacac ccttctttgt taaaggaaac atcatttcca 180

ttgccacata attggcttat gctaagcaaa ttatgtttga gcccttcaac aacaaaaaaa 240

aaaaaaatct ataagaggat ggggatgaat acttatctta tgtactcctg ttatcttcac 300

tttatgattc ttgtcaaaaa agactattcc accatgcata ggggttaggc attggaagat 360

acacctttct cctatcttgt gtcatgagca ttcgttgtcc aaataccatg aatgatgtat 420

ctttcttttg gttaaagata tatgcaacaa gaat 454

<210> 5333
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5333

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ccatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120

gctttccagg ctctgctatc cagtgatttg aggaaggcca ccatccttgc tttccagtat 180

tcatagttgg ttccatccag gattggtggt ctgttcactg gtcctacttt tttctccatg 240

ttcatcagaa tttatcttcc tagatctcac 270

<210> 5334
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5334

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aagttgctca acttccccaa cctccaacac taagtttcct tcgtcggtgg agacgtcaag 120

gagttcatgt tgattcattc ctctattgac aacaagattc aggccatttg caaagggttg 180

actgagttgt ggaaacaagg aaaaatctag ttacgtgcat ggaaatntga acccaaaacc 240

aaagatttga gaataattcg tttctttgat ttgattttgg ttgaatttct gtcatggtgt 300

gaataatgca t 311

<210> 5335
<211> 382
<212> DNA
<213> Glycine max

<400> 5335

gtggaaaatt ttggcacgga atcatcagag gtggctaagt cttaagatgg tcgcgttgtt 60

ggagtctcca aaatgatatc ctcatctttt tcacggtcag ctgagagagc tccttccttt 120

aacaacgaga cacaaatagt gttatgcctt gtggacgggt gccactctga tctcagtaac 180

tgcaaagact atcatagacg ccataaggtc cgtgaagtcc attccaagac tacacaggtc 240

acaattggag gtcagaaaca aaggttctgc cagcagtgta gcaagtacat gtttcatatg 300

aaatttctca tcatttgctc tcttaattaa tgttgttact atttttttaa tttggataat 360

gtataatttg atcacccgga gt 382

<210> 5336
<211> 409
<212> DNA
<213> Glycine max

<400> 5336

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atgagtttat gagcaactca ggattcaaca gatgtgacat ggaccattgc tgctatgtta 120

agaaatatac taatagttat gttatccttg tcgtgtatgt tgatgacatg ttgattgcag 180

gatctagtat ggcataaatt aacaagttga agcagcagtt ggcagaaaac tttgaaatga 240

aggatcttgg tccagctaaa caaatccttg gtatgagaat tcttagaaac agatcagaag 300

gaattttgaa gctgtctcag gagaaatata tacacaagtt gcttgacagg ttttaccttg 360

gagattctaa gaccaagaat acccctttag gatctcattt gaagttttt 409

<210> 5337
<211> 441
<212> DNA
<213> Glycine max

<400> 5337

agcacatgct aacgacaata acatttcact cggaagttcg attgagtccc gtaatatatc 60

gagacgctcg aaatttaaaa ccgaagctcg tagaaaattc taacgaggat aacattacac 120

tcggaattcc gattgagtcc cgtaatatat cgagacgctc taaatttaaa accgaagctc 180

gtagcaaatt ctgacgacaa taacttttca ctcggaaggc cgattgagtc ccgtaatata 240

tcgcgacgct cgaaattgta agccgaagct cgcagcaaat gctaacgaca ataacatttc 300

tgtcggaagt gcgattgagt cccgtaatat atcgagacgc tcgaatatta aaaccgaagc 360

tctgtgcaga tgctaacgac aataacattg cactcggaag ttcggttgag ttccgtgata 420

tatcgagacg ctcgaaattt a 441

<210> 5338
<211> 382
<212> DNA
<213> Glycine max

<400> 5338

tgacaggttc aggtgtaggt gctgctactg gtggaggcac ttgaatttgg ttgccggacc 60

tcaaggtgat ggcactcata tttttcggat tctgcacagt ttgtgaaggc aatttgtcag 120

aattttggga ctgagcttgg ttcaactgag tagccatatg ccccatctga tttgtcagaa 180

tctgaataga ggctcttgtc tcttgctgaa attgcatatt ctggatggtc atttgcctca 240

ctaaatcttc taaggaaggt tgaggagggg cctcaattgg ttgttgcctt tgttgttgtt 300

gttgttgctg ctgctgctgc tgcattggag gaggaacata tggcttgctt ggaccaacaa 360

cattctggaa aggagggaca tg 382

<210> 5339
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5339

agctntcact cgcatgtccg attcaggcgc atatcgtatc gagacgctag aaatctaaca 60

aaggaagctc tcgagaaatt caaatggtca taacttttca ctcgcatgtc cgattcaggc 120

gcataacata tcgagacgct cgaaattgaa caacgggttt tttcgagaaa ttcaaatggt 180

cataactttt cactcgcatg tccaattcag gacatcgtgt atcgagacgc tagaaattgg 240

acaatggaag ctcttgagaa attcaaatgg tcataacttt tcactcggat ggccgattca 300

agcgtataca atattgagac gctcgaaatt gaacaacgag agctctcgag aaatctaaat 360

gggcataact tttaactcgg atttccgatt caggtgcata acatatcgag acgctacaaa 420

ttgaacaacg gatgc 435

<210> 5340
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5340

tagctccaaa ctctntgggt ggaggatgca tgaacagcgc taggcaatga cattcatggg 60

gctccgaaaa aagtggagaa tggaggattg gactataggg tccacactag gcaatcatga 120

agcataactc caaactcttt gggtggatga tgcatgaaca acgctaggca atgacattca 180

tggggctccg aaaaaaagtg gttggcagga ccgaacggtc caccgggttt ttccacctaa 240

aaggaaaaca tgctttttgc aaagaaaaat aaatcattca cgagagcacc atat 294

<210> 5341
<211> 288
<212> DNA
<213> Glycine max

<400> 5341

agcttcatgg atatttatgt gatgacatgg ttcttggaaa gacacttcaa gcatcagcaa 60

ttgtggcctc tgatatagct gagcatcgaa cttcaattgg gaatgaggat cttctgccat 120

ctttaattat ttgcccatca actctagttg tgcactgagc ctttgagata gagaagtata 180

ttgatgtttc tgttatctct agtcttcaat atgttggctc tgctcaagag cgaatgcttc 240

ttcgggatca tttttgcaag cataatgtca tcataacatc atatgatg 288

<210> 5342
<211> 421
<212> DNA
<213> Glycine max

<400> 5342

agcttaataa gtacatctat ggattgtaac atgctttctt ccaatggtat ctaagatttc 60

atgaggtcat ttcttcattt agctttgaag agaatgtcat ggatcactgt atataccaga 120

aggtcagtgg gagtaagatt tgtttccttg tattatacgt agatgatatt ctgctcgcaa 180

ctaatgataa tggtatgcta tatgaggtga aacaatttct ctcaaagaac tttgatatga 240

aggatatggg agaggcatct tatgtcatag gcataaagat ccatagagaa agatctcgag 300

gcattttagg cttgtctcaa gaaacctata tcaacaaagt tttagagaga tctaatatga 360

aagaatgttc accaagtgta gctcccattg tgaagggtga caaacttgtc ttgagtcaat 420

g 421

<210> 5343
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5343

agctnttatc catggcctcc taggtggtga gtcttttcta tactcatctt ctccttgaag 60

gggcgtctcc tctctctctt ccttctccat tctgctgcca ttcatcttcc aagaagcaaa 120

ggattccatt gatgaagaag atcctaggcc tacaagctcc aatggagcta acatcaaaat 180

atatcacatc ccattagcta aaaacacagt ttttcttgaa aaccagcatg cacaaggata 240

gacatacatc cccataattg gttcactgac cccaactatg gtatcaaaag ctgtaaacaa 300

acaataaact cccctcactt atctatatct ctctgttagt tccatgcggt gttgttctaa 360

gatctcttan gttcacgtcc gttcgtccaa acgtagagct ctatatacca aatcanagat 420

aattcagtat 430

<210> 5344
<211> 346

<212> DNA
<213> Glycine max

<400> 5344

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gagtaaaaag ttattgtcgt tagaatttgc tcagagcttc tgttctgaat tttgagagtc 120

tcgatatact acggaacaca atcggacatc tcagtaaaaa gttattgtcg tttgaatttg 180

ctcagagctt ctgttcttaa ttacgagagt ctcgatatat tacgggattc attcggacat 240

ccaagtaaaa agttattgcc gtttgaattt gctcaaagca ttcgttgtca attacgagcg 300

tctagatata ttacgggatt cattcggaca tccgagtaaa aagtta 346

<210> 5345
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5345

tccattntca atttcgacca tctcgatata ttaccggact catccggaca tccatgtata 60

aagttattgt caattcaatt tactcaaggc ttcggatctt aattttgagc gtctcgatat 120

attacaggac tcattcagac atccgagtaa aaagttattg tcgtttgaat ttgatacaag 180

cttccgtttt caatctggag catctatcga taaattatga cactctgtcg ggcatccgaa 240

taaaaagata ttgtcgcttg aattctctga gagtttccgt tttcaatttg gagcgtctct 300

ctatattacg ggact 315

<210> 5346
<211> 428
<212> DNA
<213> Glycine max

<400> 5346

agcggatgct caaaacatat gactggagat gtatcaaatt ttacacatat ctctccaaag 60

aaaagcgggc acgtaacata tggtgacaac aacaaaggta gaatccttgg agttggtaaa 120

ataggtacaa attcttcaaa ctccattgaa aatgttctac ttgttgaagg ccttaagcat 180

agcctgctta gcgttagtca attatgcgac aaaggctatc tagtatcatt tgattctcaa 240

aattgtctta tagaacataa gcatgacatt aatataaagc atgtaggaca tagagtcaat 300

aatgtttaca tgatagactt aagcataaaa ctagaaaaca atcattgctt tcttagcaaa 360

gatgatgatc catggttatg gcataaaaga attgctcaca taaacatgga tcacttaaat 420

aaattaat 428

<210> 5347
<211> 275
<212> DNA
<213> Glycine max

<400> 5347

agcttacaaa atttatatgg cttgaaacaa gcaccgaggc agttgtacaa gaagtttaat 60

gagtttatga gcaactcagg attcaacaga tgtgacatgg gccattgctg ctatgttaag 120

aaatatacta atagttatgt tatccttgtc gtgtatgttg atgacatgtt gattgcagga 180

tctagtatgg cagaaattaa taggttgaag caacagttgg cagaaaactt tgaaatgaag 240

gatcttggtc caactaaaca aatccttggt atgag 275

<210> 5348
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5348

agcttatcat gatcatcata attattggct atatgaaggt agacaaaaga tgcaacagtg 60

gaatctgtaa ctgctttact tttcagcatt ttcccataac aatgatcaga attctgactg 120

aaattattaa actgagcatt aagaggaaag tcactaggaa gaagccagga agaatctgga 180

aatggctcac aaaagagatc aaccatatcc gctccagggt caaccagtag aacacggtta 240

gtgaggagag catagagaaa agcagaagct agggtcaaaa tcctattccc taagccacta 300

aacgaaatcc atacaacata tttacactct gnaggactca gtaaatgacc accagaccta 360

agttgttcaa ctgttttgtt ataggaatca gcgtaaggtc cacattgttt gtgctgagct 420

tcatattttc ttaacctaga aa 442

<210> 5349
<211> 448

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5349

agcttcctcg tggcttcttt gagaagctnt ctcaagaggc ttctttgaga agctagatcc 60

ttatctatcc acacccctct tttagctgaa ttaacctcct taaaaataat tacggatgaa 120

aataacgcaa caaataatca aacatcaaac ataattacta ataatatata gatatatata 180

tatcagggtt ttacaactct cccacccttt tagaaatttc gtactcaaaa tttaccttac 240

tcaaacaagg atgggtgagc ttctcgcatc tgactttcta attcccacgt ggcatcttct 300

cctgatgcac ctccccagat caccttgacc aacgaaatct ctttcctctt taagtgtttt 360

gttcgcctat ccttgatcct canaggcaat gtttcatatg tcaaattctc cttcacttgt 420

acatcatcca attcaatcac atgggatg 448

<210> 5350
<211> 619
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5350

tctntgagaa aaagtcctat ggaagcgaga gcttagctac acacacccct ctcataacta 60

agctcacctc cttgagaagc ttgcttcgga agattcctaa agaagctaga gcttaactac 120

acacaccttt ctaatagcta agctcacctc cttgagatga gaaactagag cttagctaca 180

caccccctat aatagctaag ctcaccccca tgacaaaata catgaaaaaa caaaaaaaag 240

tccctactac aaagactact caaaatgcct cgaaatacaa ggctaaaacc ctatactact 300

agaatggcca aaatacaagg cctaaacgaa ggaaaaacct attctaatat ttacaaagat 360

aagtgggctc atacttagcc cctgggctcg aaatctaccc taaggctcat gagaatccta 420

gggccttccc ttggatctct agcccaatct acttggagtc ttttatccaa tgcccttgcg 480

gggtaggatt gcatcacaaa gggaaacaac atgttttaat tctgttatnt tctaattaaa 540

aattgcttgc tgtttaaatt acaaaaacaa acccccccccc cccaatttgg tactatttta 600

taactatcta ttatgaacg 619

<210> 5351
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5351

tttgtgttga tttaatctca acagttccat ttcgtgttcc tgtaactttc caattaatgt 60

agcaagagac atgttagtta aatatcgcaa ctcagtaatg gctgttacct taagttgtca 120

ttctctgctt aaacatctca atactttatt tatgagatct tcatttggaa aaattttccc 180

taaagatgca agatgattta ttatatgtgt aaacctttt tgcatgtctt gtatactttc 240

atttgaattc attctaaata attcatactc atgagttaat gtatttatcc tagatctttt 300

cacatctgtt gtgccctcat gtgttacttg tagggtattc cacatttctt ttgcactttt 360

ancaattgat accctaaagt actcatccat tcttaaggca gatgtaatta tatttttggc 420

ttttaagttg tattgcacta atctcttttc ttcgtcactc cattcttccc tangcttttc 480

ta 482

<210> 5352
<211> 528
<212> DNA
<213> Glycine max

<400> 5352

agcttcaagc cttgatcaaa ctgaagatcc ttggttcctt acaatatttt ctgggcctgg 60

aagttgcaaa gtccagcaag ggcattgttt tgactcagag aaaatatgcc ctttctcttt 120

tagaggatac tggttttctt ggctgcaaac catcctctct tccaatggat ccaaatttaa 180

agctcgacat gctcagtggt gatttgctgc ccgatccctc aatgtacagg tgcttacttg 240

gtcgtctcat gtacctcact atttcaatgc cggatattac attttctgtt aacaagctaa 300

gccaatacat gcagcatcca agaatacctc atctaaatgc tgtgcatcat ctcctacaat 360

atatcaaggg cactccgggt cagggtcttc attttccagc cagtaactcc ttcaacttat 420

ctgcatatgc acatgctgat tgaggaggat gttttgacac acgcaggtcg acatctggtt 480

catgtgtgtt tctacgagat gctttattat caagggacat caaaaaag 528

<210> 5353

<211> 567
<212> DNA
<213> Glycine max

<400> 5353

cttgatcttt cctcagttct ttaacaagct ttgtacaata tacttggcct tcatttaact 60

gtctttgggc ttggcggcca cgctcaacaa agtactttcg acacctactg tacgttgatt 120

tcaccaatgc cgttatggga atgttgcgac aatcctttaa aaccttattg atacattctg 180

agaggttcgt tgtcatgtgg ccatatcgac gtccttctct atcgtaagcc atcgtccatt 240

tttcttttga gatgcgatca atccatgttg ctatggctgg actcacttca cgaaattttt 300

ctaaattttt atcaaaaatg tgcttgcaag gagtataggc tgcataaaat tagttatgaa 360

taacaattta cagtataaat gaaagtaaaa taaacgtgac catcaaatat gaaattttac 420

ccaatttctt caacatttct ttttgtttgg cattattgaa ttttcgattg aagttgcttg 480

ctatgtgtcg cacgcagtaa acatgataac cgtggggagg ttgccagcca agtgctttgt 540

tagcgacagc ggactttata ctcgcgt 567

<210> 5354
<211> 373
<212> DNA
<213> Glycine max

<400> 5354

agcttgaagg tgtgtagccc accatctttt catagtagaa aactggtaat gtgtctacta 60

tcattgttat catttttttc tccgtcactg aggtgccact tgagctgcca ggtctctcca 120

cctttgggcg cattctttga aagatctgtg ccccttttg cacatgttct gtagttgcat 180

cctatccgga accatatcaa aattttactg atattgtcta acgaaggcaa ccattacgtc 240

cttccaagaa tggactcggg aaggttccaa gttagcgtac caggtaacag ctaccccagt 300

aagactttct tggaaggaat gtatcaccaa ttcctcatcg tttgcgtatg cccccatctt 360

ccaacaatac atc 373

<210> 5355
<211> 587
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5355

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gtcaataaat gatagcatca taaaatatcg tcatcaaaag tgtcatataa acaatatttg 120

attattgtaa aattaaattt tcatttttct acgtacaaaa aaaattcact tcgctttctc 180

ccattaagtt tccatacttt catccattcc atagaaattt tctctatgtt ctcttaagct 240

ttcacaagta aaattagatt tcttcctct ctcattcatt aactctaagc tctctcattc 300

tttttcttga gacatgataa taattataat aaattacact attttatgaa attatataaa 360

tacctttac ttttttttcta cccctacact aacatctctt aattattgaa aaatatatac 420

cgacatgaca tctttntatt cattacatta actctcctta attatttgaa aaattctaca 480

ccaaactccc caaaggagag gttattataa atattaaaac aacatgaagt atttgtgtaa 540

cttcacaaaa atttatagaa tattgtgtta atttactctg ataatat 587

<210> 5356
<211> 558
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5356

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attaacaact tccgtttgcc catcggtttg tgggtgacaa gtggttgaaa ataacaattt 120

agtgcccaac ttgctccaca aagtcctcca aaaatggctt aaaaacttag agtccctatc 180

actaacaatg ctccttggca gaccatggag tctcacaatc tccttgaaaa acaaatcagc 240

cacatgggaa gcatcatcaa ctttttttaca tggaataaaa tgagccattt tagaaaacct 300

attaacaacc acaaaaatgg aatctctacc attgcttgtt tttggcagcc ccaaaacaaa 360

atccatggat aaatcaatcc aaggatactc cggaattggc aatggagtat acaatccatg 420

aggctttacc ttagactntt gccttttaca tacaatgcaa tgttcacaaa atttctgcac 480

atccttttt atatgaggcg ccaataaaaa tgttcttgta atgtttctaa agtcttttgg 540

accccaaaat gccccatt 558

<210> 5357

<211> 538
<212> DNA
<213> Glycine max

<400> 5357

agctcgtaac aaatcttcta cacttggagt gatcacatga agtcctcttg aacccttacc 60

acccactctg tcatcatgcc gagactcagg aagcccaacg ggtttagcct tctctaagta 120

ttctgaacaa aattcaatgg cttcttctac aatgtacctc tcaacaatag atgcttctgg 180

acgatatata ttctctgtat acccttttaa gatcttcatg tatcactcaa ccgggtacat 240

ccaccataga taaacaggac cacaacattt gatttctctg accagatgca caatcaagtg 300

aatcatgatg tcaaagaaag caggggggaaa atacatctcc aactagcaca gtataattgc 360

ggcctcattt tccaactcat cagacttgac tggatcaatg actttgctac atatagcatg 420

gaagaaaaag cacaggcgag ttatcgctaa actgaccttg tttggcaaga tgtcttgttt 480

agccacgact aacaattatt ccatgagcac gtgaaaatcg tgagaccttt accctacc 538

<210> 5358
<211> 499
<212> DNA
<213> Glycine max

<400> 5358

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gcagctgaag gatgctatag ggttcttgat ccttcagatt cagtctttgt ttcttgtttg 120

ttctttttct tggatttatc tctcattaaa aaaatatcaa tgaaaaatat gatggattaa 180

ctggttttcc tttttctggt atcggagaaa agataatgat tttcattggt ctcattattc 240

agtatttgga tttgtacatt ttttattgcg tattatctat tcattcatta tattaggaaa 300

gtttaggttt ttttaaataa caatatttga tgcaaaaata aaataaaatg attagaacta 360

aaggtattaa ttaataatta ttatttcatt tatcatttat aattatttgt atgtacatgt 420

attataatgg tttaatattt attaatatgt aattttcgct aataccatat acaatacacg 480

tcttctataa taataaaaa 499

<210> 5359
<211> 502
<212> DNA

<213> Glycine max

<400> 5359

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ctcgagtgct tccgttgttt aatttcaagc gtctcgatat tttatgtcct caaatcagac 120

atcggagcga aatgttatga ccattcgaat ttgtcgagag cttccgttgt tcaatttcga 180

gcgtctagat gagttatgtc accgaatcag acatctgagt gaaatgttat gaccattcga 240

atttgtcgag agcttccgtt gttcaatttc gagcgtctag atgagttatg tcaccgaatc 300

ggacatccgt gtaaaaagtt atgaccattc ggctttgtcg agagcttccg ttgttcaatt 360

tcgagcgtct cgatatatta tgtccccgaa tcggacatcc gtgtgaaaag ttatgaccat 420

tggactttgt cgagagcttc cggtgttcaa ttttgagccg tctagatgag ttatgtctgc 480

gaatcggaca tcctgtgaaa ag 502

<210> 5360
<211> 567
<212> DNA
<213> Glycine max

<400> 5360

tgttgacaaa gctgaaaagt gtgtctttgt tggtgtaagt gaaacatcaa aagcatataa 60

gttatttaat ccactaacaa agaagattgt gaccagcagg gatgttattt ttgatgaaga 120

caacacatgg gactggaatg agcagcaacc caattcaatt attgttgaca atgaagatgt 180

aaaagaacta cagctactcg taaacattgt cttaacatct ccaaatgaag ctcaaatagc 240

tcctgagaca gagatttcaa caccaacaaa tgctggaaca acagatgcaa ctagacatgg 300

caatggggcg ggtcgggtac gggtattgtc tccccaatcc cttaccccga cgcctcgaca 360

tatccccata cccgtacccg atacccgacg ggtttgagtt tattgtccca tccccgtacc 420

cgtcgggtat cgggtattcc caaccccgtt ccacacacca tttagaaaaa tatttttttt 480

ttgtaaaaaa tattaaaaat ttgatttaaa aaaaaataaa ttgattgtaa acatttttt 540

ttactactta tatataataa tttatta 567

<210> 5361
<211> 502
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5361

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ataccttctt ggccatcaat tcatgatctt gactgatcac agaagtctta aggagctcat 120

gactcagatt gttcaaactc cagagcagca aatgtatttt gccaggctta tggggtatga 180

ctactccatt caatatcggt ccgggagcac taatttggta gctgatgcct tatcgcgctt 240

gaaggaggga tcagaaggaa ccatgttatt actatctgta ccttgcctga catttttaga 300

tgaattgaag aagcaattaa aacaagaacc agcctttatc gaattcagga agaatatatt 360

ggcccaaccc acagccttcc ctgaatattc tattactcgt ggattgattn tgtaggggaa 420

tcgtatctgg ttactagagg atatcccctt cattcagact ctgttaatgg agtatcattc 480

tactccaaca gggggtcaca tg 502

<210> 5362
<211> 592
<212> DNA
<213> Glycine max

<400> 5362

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aaaggtgatg acaaaaagct caaagatcaa tcaaagaaca actcatgtga tcaagttaga 120

ataaagaaca attcacgagt tcaagataga atcaagagaa ggcttaatca agctaagtat 180

gaaaagtttt tctcaaaaat tgagtagcac atgatttttc tcaaaacatg tttaccaaag 240

agtttttact ctctggtaat cgattaccag attgttgtaa tcgattacca gaagcaaaat 300

tgttttgaaa aagttttcaa atcgaattta caacgctcca gttaatttca gaaagctgta 360

atcgattaca atgttttggt aatcgattac cagtgccttt gaacgttgaa attcatattc 420

aaaagtgaag agtcacatct tttcacataa aagctttggg taatctatta cactgatttg 480

gtaatcgatt accagtgagt gtttctgaat aaaatcaaaa gatgtaactc ttcaaatagt 540

ttttgacttt ttcaaattgt ttttaggttt tctaaatgca taactttcta at 592

<210> 5363
<211> 562

<212> DNA
<213> Glycine max

<400> 5363

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tccgatgagg aaacaatcta tgctgcttct gcggcagaca atctccagta gtaccatccc 120

aaaactgtaa atgtcaaggt ttactgatac tggtgcatcc ttctgccatt caggtgtcaa 180

gtacttgctt gtcccatcat cctcttttct cattcttgaa tggtcagact ttagcagcct 240

tgccaatcca aaatcagaga tctttgcagt ccacgctcca tccataagta tattccgagg 300

atttatgttg caatggataa tacggacctc acactcttca tgtagataca gcactcctct 360

ggcaatgtct aatgcaattt tcagtgtgtc tctccgagat atgtgtttct catcgttgaa 420

gagaatactt gcaagagacc cgttgctgat gtattcgtaa acaggaagct tcccagatcc 480

attgatgcaa aaaccaatga gcttaaccat attcctatga tgtgttcgag caatgttagt 540

aatatcattc aagaaaacac tc 562

<210> 5364
<211> 661
<212> DNA
<213> Glycine max

<400> 5364

agcttaatag taaaattaaa aaaacatacg aaaataaaaa atttacaaaa gccaaaaaca 60

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ccacaccata ttaatcaatt atccatttaa tgtatgatca acataataaa aatagaagag 180

ttgttcaaag aatgtttgta tcagaaaatt tgaatataca tccaaattaa gatgttttaa 240

atcaagatga aattgagata aaatatatcc caaccaagta taattaaaaa tgatgttata 300

atatttttta atcatatgat atcaatatac cattttaatt acatatgtta taacataaat 360

tggacacatg aaattatgat tcatttttat tttaaaagat ataataataa taataataat 420

aataataata ataataataa taataataat aataataata ataatataat tatatgaact 480

gaacacacat acttaacata aattgagcat ataacaacgt tagttattca tttgtccgat 540

agatattcat aagataaatt tatgggatgg ttaatcatta atttttttat gtttaaagac 600

tcttaaatat ttatatttaa cattaattta tctaccaaat taataaatga tgttaaatgt 660

t 661

<210> 5365
<211> 549
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5365

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atgatgacaa aggtgatgaa caaaaagctc aaagatcaaa gaacaactca agtgaatcaa 120

agaacatctt aagagaatca agaacaagtc aagagttcaa gaatcaagaa gaattcaaga 180

ctcaagaaga aagcctagaa tcaagaatca agattcaaga tctcaagaat caagatcaag 240

attcaagaat gaagaaaaga ctcaatcaag ataagtatta caaagttttt tcaaaacttt 300

gaatagcaca tggttttttg acaaaacttt taccaaagag tttttactct cttgtaatcg 360

attaccatat tgttgtaatc gattaccagt agcaaaatga gtttgaaaaa gttttcaaac 420

tgaatttaca acngtccaat tattttcaaa agactataat cgattacaat gttttgtaat 480

cgattactag tgccctcgaa cgttgaaatt canatttaat gtgaagagtc acatcctttc 540

actcaaagc 549

<210> 5366
<211> 552
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5366

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aatctgtacc tgttgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc tatgcagcaa cctggagcaa tcgagcaacc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acaatagaac aattatgacc 240

tctccagcaa cagatacaac cctggatgga ggaatcaccc taacctcaga tggtccagcc 300

ctcagcaaca acaacagcag cctgctcctt ccttccaaaa tgctgcaggc ccaagcagac 360

catacattcc tccaccaatc caacaacagc aacaacccca aaaataacca acagttgagg 420

cccctccaca accttccctc gaagaacttg tgaggcaaat gactatgcag aacatgcagt 480

ttcagcaaga gaccagagcc ttcattcaga gcttaaccaa tcagatggga caattggcta 540

cnccaattga at 552

<210> 5367
<211> 564
<212> DNA
<213> Glycine max

<400> 5367

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gttggacctc ccagaagagt atggagtcag caccactttt aacatttttg atttaactcc 120

ttttgcaagt ggagctgata ttgaggagga ggaactaaca gatttgaggt caaatcctct 180

tcaaggggaa ggggatgatg caatcctccc taggaaggga ccaatcacta gaaccatgag 240

caagaggctc caagaagatt gggctagagc tgctgaagaa ggccctaggg ttctcatgaa 300

ccttagggta gatttctgag cccatgggcc aaggttgggt ccaattatct ttgtacatat 360

tagactagga tgtcattata tttggtcctt gtatttaggg ctccatattg taggtagggt 420

accctagaaa tataggattt ttcagccctt gtatttttgg gcacctagac taatttttgt 480

atttggggta gttctgtaat ttcacatgca ctaagtggat atttgatgtg tgtgggtgga 540

aataaaatta attgaattgg taga 564

<210> 5368
<211> 443
<212> DNA
<213> Glycine max

<400> 5368

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tacatataga tatttttatt tcaattgaga tgtttattga gcacacggat tgttgaattt 180

taatcaagta tgtgtgtgtg ttatgagcag ccttggcagc tattggtgag aaggagtggt 240

acttctatgt gcccagagat aggaagtatc gcaacggtga tcgtcccaat cgtgttacta 300

cctctgggta ttggaaggca acaggaactg atatgatgat ccgaaccgag aattttcgct 360

ctattggcct caagaaaacc ctaattttct attctgggaa agctcctaag agcatactaa 420

ccagttggat aatgaacgag tat 443

<210> 5369
<211> 545
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5369

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cccgtggctc aggttcttgt cgctgcattt tccaaaagaa accttccatc ttccccatca 120

tccatgatca gagtggaaca agttgagcaa gtgaagatat tgctatctgt tattccgata 180

ttctcgtgca ccatcgtttt caacaccatc ttagcacaac ttcagacatt ctcagtccaa 240

caagggagag caatggacac ccatctcacc aaatccttta atatccctcc cgcctccctt 300

cagtccattc cttacatttt gctcatcttt ttagttcctc tctatgacac cttctttgtc 360

ccatttgcca gaaaattcac cggccatgag tctggaatct caccttgcg ccgaataggc 420

tttggtcttt ttctggctac cttttctatg gttgcagctg ctctgttgga gaanaagaga 480

agggacgcag ctgtgaacca tcacaaaagt ttgtccatct tttggataac ccacaatact 540

tgata 545

<210> 5370
<211> 556
<212> DNA
<213> Glycine max

<400> 5370

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gtgcatcttg ggaagaaagc tctaacatgc ttctttttgt ggttacgtga gttttatcac 120

gcagaatagc atgatcacta gcagccatgt tctctatgag ttccattgct tcttcaagag 180

tcttcaattt aatttttcct ccaacagaag catccaataa ctgcttgaac tgcagtctca 240

aaccatcaat gaaaatgttc agttgaatcg gctcggggaa tccatgagtt ggtgtcttct 300

gcagaaagct acagaatctc ttaagcgctt cacttaggga ttcatctaga aattgatgaa 360

atgaagaaat agttgccttg ccttcagctg tctttgattc tgggaagtac ttcttcagaa 420

atttctctac aacctcttcc caagtcttta agttgtttcc cttgaaagaa tgcagccacc 480

tcttggcttc tccagccaaa gaaaataaga acaagctaag ccgcactaca tctttcggca 540

cccctacaat tttcac 556

<210> 5371
<211> 533
<212> DNA
<213> Glycine max

<400> 5371

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gaagtatctt aggacaaata atgacttgga atcctgctct aatgaattca atgaattcta 120

gagagatgaa ggcatggcaa gataatgtat tctatgttat actccacaac ataaagtagc 180

tgaaagaatg aacaaaacct tgttggaaag ggccagatac atactatcga attcaagctt 240

gaataagagt ttttgggaag aagtagtcaa caaaacatgc tatattgtgt ttgacatgca 300

atcacgtaag tgaaggtaag ttagagccaa aagccaataa gagattcttt atgggctatg 360

aagatggagt caaaggatta tgagtctggt ctctatctaa aagaaagtca ttctgagtca 420

agatgttgac tttgatgaac cctctatgct gcattctaaa tatgatgaag atttggccaa 480

ggctaaggat gtcactaagc aagttgaagt taagagctcc acaatcaaaa aca 533

<210> 5372
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5372

ctatttatgc aaggacgcat ttgagtggtc cctcgaatca caagatgctt tcgataccct 60

caaatccgct atgatcaaca ccccagttct ggcccttccc aatttccatg aaccatttgt 120

cgtcgagacg gatgcttcan gcactgccat gggggctgtg ctctctcagc aagggcaccc 180

attaccgttc ttcagcaaga acttcaccct tcgcctcttt atgcgtaaac ctatgtgagg 240

aaactccatg ctatcacatc cgcagtgcgt aaatg 275

<210> 5373
<211> 595
<212> DNA
<213> Glycine max

<400> 5373

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ttctccttt gaagttgttt atggttttaa cccactaact cctcttgatc ttttgcctat 120

gcctaatgtt tctgttttta agcataaaga aggtcaagaa aaggtggact atgtgaagaa 180

gcttcatgag agagtcaaat atcaaattga gaggaaaaat aaaagctatg ctaaacaagc 240

caacaaaggg agaaagaagg ttgtcttcga acccacagat tgggtttggg tgcacatgag 300

aaaagaaagg tttccagaac aaaggaaatc aaagcttcaa ccaaggggag atggaccatt 360

tcaagtgctt gaaagaatca atgacaatgc ttacaaagtt gagctgcccg gagagtataa 420

tgttagttcc accttcaatg tctttgattt atctcttttt tgatgcagat ggagaatccg 480

atttgaggac aaattcttct caagagggag agaatgatga ggacatgttc tagacaaggg 540

caaggatcca cttgaagact ttgaggacct ttgacaaggc taaagcatgg aaagc 595

<210> 5374
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5374

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tagggctcca taatataggt aaggtaccct agaaatgtag gatttttcag cccttgtatt 120

ttaggacact tagactagtt ttttgtatta ggggtagttt tgtaatttca caagcattaa 180

gtgaatattt gatgtgtgtg gttggaaata aatttaattg aattggtagg agcccaatcc 240

aattaaattt tagaggggga ggtgagcatt tgctagctac accccattgc cacatcatat 300

agtcacactn tgtgcatgtc cttcatgctt tacatgcctc atgacaccaa agcacactta 360

gtggagaatc ttggacttga tcttggatta gtgggctgaa ccataactaa nattcattaa 420

tcataattag tgaaatttgg ctccaaaatt ggctcccaaa at 462

<210> 5375

<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5375

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tctaagaatc tcatgcaaca ttcaaaggct aagcatattg aaataaaata tcatttcatt 120

catgattatg tgcaaaaggc atttttttata taaagtttgt aaacacaaat catcaatgga 180

ttggtatatt tactaagcct ttgtctgaag atcattttat ctgtaaagca tttgaatatg 240

atcgagctat tagattaatg ttgcattttc agaggcaata tcattttata acctctcatt 300

aatttgtttg gactaatgtg tgttcaagtg tacacacgga agagaaagcc tgttcacaaa 360

aataaaaacc cttcattttc tcttaaaagg gaaactaatt aataaaaaaa taaaaagatc 420

aaaatcataa attaataatt ataggaagac anaatgtcaa tttaatctaa aagtataatc 480

acccaaacag aaat 494

<210> 5376
<211> 571
<212> DNA
<213> Glycine max

<400> 5376

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atgcgtcttg tgatgtgagc tcgagaagga tggcatggtg tgtaggctcg atcacgaagg 120

atggcatggt cactggctgt catattttcc atcaactcca tagcttcatc aggtgttttc 180

agtttgatct tcccaccagt ggaggcatca tgtaactgct tcgaatgggg ccaaaagcca 240

tcaatgaaga tattgagttg aactgactcg ctgaaccagt gggtgggaat cttccagagt 300

aaaccatgga agcgatcaag agcttcactc agtgattcat cagggaattg gtggaatgaa 360

gagatctcca cctttccctt agcggtcttg ggctctagaa aatatttctt caaaaatttc 420

tccaccacct tttcccattt ctgcaagcta tttcccttga acaagtgcag ccatcttttt 480

gcttcaccag ccaaggagaa aaagaatagg ttgaggtgga tggcatcttt aggaacttca 540

tctgttttca ctatgttgcc aattttctat g 571

<210> 5377
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5377

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tagtctcaca gttatctaga actacgtaga tctgagttcc tcattgagga tacgtaggag 120

caagagcctc gcttttgtcg gccgccccac aatctctgtc atactgaccc tgaggtcatg 180

tgacatgcag agacaaatta tgatcattcc gcacaccttt ttccatccag atacgatcgt 240

gtccgatggc acgcagagat aaattatggt cattctgcgc cttttgtcat ccagaggcgg 300

tgagcccgat gacatgtgga gacaaattat ggtcattccg caccttttgt catccagata 360

cgatcgtgtc cgatggcacg tatagacaaa ttatggtcat tctgcgcctt ttgtcatcca 420

aaggcggcga gcctgatgac atgcanagac anattatggt cattctgcac acttttcgc 480

catccggaga cgatcatgtc cgatggcaca caaagacaaa atatggtcat tctgcgcctt 540

ttttcatc 548

<210> 5378
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5378

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aacaattatt tgctcaaaaa ataaaaaatt agaagagaaa aattacaaat tcctctataa 120

tttaaccccc aaaatatact cataattagt agttatcagc ttccagatag tggtatctta 180

agtttaatga tactattacg tggtatggtt tcctagagaa caccgttgat cggtgtatct 240

acatgaaggt tagtgggagc aaatttgtaa ttttagtctt atatattgat gatattttgc 300

ttcctgctaa taatgttgct atgttacata atgtaaagaa gtatctctct aataacttta 360

aaatgaaaga tatgggtgag gcattttatg tgatacgaat agaaatattc tgtaatagat 420

cacaaggatt gttgtgattg tctcagaaag gatatatcaa taaagtttta gggagattca 480

aaatggaaaa atgcnttgga gggattgtta caatacaaaa aggtgacaag ttt 533

<210> 5379
<211> 560
<212> DNA
<213> Glycine max

<400> 5379

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tgaagaaggt agctcaatta gggtgcaggg ttactatttg ttcacttgat ataaatcaag 120

aagcaaaaac aaagtgaaga aaatggaata agcaacatac atatatggtg tatccctacc 180

aaacttcttt tgattaaata atccagaaag aagcttgatg taacctccac cacattcaat 240

ctcttgctca aattttacag aatactgaaa gaccaatatt ttgttcttgt ttgtgaattc 300

tggtattttt gcagaaatgg aaaagtgttt ggcatcactc gatgtttgaa tacctacaat 360

atcctacaaa atgacaacat gttacaaaac caaccaaatt cctgtcacta cccattttga 420

catattaaga aaggaaacaa atacaagttt tatttttgtt catattaaga aaggaaacaa 480

atactaccac ttgtgtatat ttcatttttt cttgcctttt atttttaaaa ttgatatact 540

tttactaata attacaaaaa 560

<210> 5380
<211> 535
<212> DNA
<213> Glycine max

<400> 5380

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tgatgatatc tttgaggcgg ttaatgaatt ctttacaact ggaaaaattt taaagcagat 120

caaccatgct atttttgcgc ttattcctaa gcatgatcag gcctcccaag ttaaccattt 180

tagacacata tcttgttgta atttattata caagattgtg tctaaaattc tggccaaccg 240

catagcccca gtgcttgaga ctattattgg ggaaactcaa actgccttca ttaagaacag 300

aaagatgatg gacaacatct tcctcgttca agagattttg cgcaaatatg cacggaaaag 360

atcctctctg aaatgcctcc tgaaaattga cttgcataaa gcttatgatt ccatttccta 420

ggaattcttg aattggatgc ttcagtccat tggcttccca acccaattct gtactttgat 480

catgaaatgt gtttctttca cttcctttag tgtgacagtc aatggattca attta 535

<210> 5381
<211> 592
<212> DNA
<213> Glycine max

<400> 5381

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acagaataac tatgacctct ccagcaacag atacaatcct ggatggagga atcatcccaa 120

ccttagatgg tcgaatcctt cacaacaata gcagcaacaa caacagactt attttcaaaa 180

tgctactggc ccaagcagac catacgtacc tccaccaatc cagcatcaaa aacaacaaca 240

gccccagaaa caacaaacag ttgaggctcc tccgcaacct tcccttgaag aacttgtgag 300

gtaaatgatt atgcaaaaca tgcagtttca gcaagaggcc agagtctcca ttcaaagctt 360

aactaatcag atgggacagt tggctacata gttaaatcaa caacagtccc aaaattttga 420

tagattacct tctcaatctg tccagaatcc caaaaatgtg agtgccatta cattgaggtc 480

aggaaagcag tgtcaatgac ctcaaccagt agcatcttcc tcatccgcaa tgaacctgcc 540

caacctcact ctacttcagg aaaagatgat gacaaaaatt taaagagtag tt 592

<210> 5382
<211> 346
<212> DNA
<213> Glycine max

<400> 5382

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aagcctgaat cggacattcg tgtgaaaaga tatgaccatt tgaatttctc aagagcttgc 120

gttgttcaat tccaacctct caacatatta tgcgctccaa accgaccttc ccggggaaag 180

gtattaacca tttgaattct cgagaagttg cgatggttta tttccaaccg gtccatatat 240

tataagcctg gaaccggcct tccgggggaa aggtcttacc cattggattt ctaaagaacc 300

ttcggtggtc aaatttgaac ctcttgacat tttatgcgcc ccaaac 346

<210> 5383
<211> 536
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5383

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acattggtgg gagtatccac cgggtttgtt gatggctaat ctccaccgaa aaatttggtt 120

ggtcatctat agtggaattt tcccttccaa ccacgtttgt tccatccaca aagctaacac 180

tcaagacctt gcttactctg accaacgaca tgttagtaat acttgtttaa tctagtatta 240

tgtgtactta ccaaggacgt tgaaggttat ccttgaaagc atgctttttg caaacaatat 300

aattcttgag taagagatta attctaaatt taagaattgg agttaaaaat tagaaccaga 360

ggatctttat caagtagaag acacagtata tgctttgcag tttaagcaag aaacaagagg 420

aaaatgcctt ggaggtaaaa attggagaag tcataccaca agtttctaag cttgactatt 480

tgattccaaa atgatgggaa aattaatgat gttacacaca aaatantaag tgggtg 536

<210> 5384
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5384

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acacacactt tttcctagtc gatcactcgc ataaatttcc attctcccct tttgtttttg 120

agtttatgct tcatttgaaa ttaagttaat tacttatgtg agttcttgat ttattcccta 180

tttctctccc cctttggcat caacaaaaag ccaaagtgcg taacaaatat aaaacataca 240

taaatgacta atcatacaag agaatagaaa acaatcaaac aagataactt aaccattcat 300

caatcttaga aagataatac ttcatagaat gtcatataat ccagaaagtc attcataata 360

accaaataaa agtacatacc actgatcata tattatcaaa ataattaagt ttaaaattca 420

taaccataaa caaccaagag caagtaaata taatcatcat gttcaggcat actanacaaa 480

tattaaaaaa gaaataataa gtgctcaaat gtcatanaaa ca 522

<210> 5385
<211> 504
<212> DNA
<213> Glycine max

<400> 5385

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atcgagacgc tcaaaattga gactagaagc tcttagcaaa ttgaaatgac aataacttta 120

tacacggatg tccggttgag tcccgtaata tatcgtgacg ctccaaattg aaaacggaaa 180

ctcttagaaa attcaaacga caataacttt ttactcggat gcccgacaga ttgtcgtaat 240

ttatcgagag atgctccaaa ttgaaaatag aagctcgtat catattgaaa cgacaataac 300

tttttactcg gatgtctgat tgagtcccgt aatatatcga gacgctcaaa attttaatcc 360

gaagctctga gaaaattgaa ttgacaatga ctttatacac ggatgtccgg ttgagccctt 420

taatatatcg agacgctgca aattgaaaac agaagcttgg aggaaattca aacgacaata 480

acttttttact cggatgtccg attg 504

<210> 5386
<211> 544
<212> DNA
<213> Glycine max

<400> 5386

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atatatagag acgctccaaa ttggaaacgg atgctcgtaa gaaattcaaa caacaacaac 120

ttgttactcg aatgtccgat tgagtcccgt aatatatcga ggcactccaa attgaaaacg 180

aaaactcgta gcaaattcaa atgacaataa ctttttactc ggatgttcga ttgagtgccg 240

ttatatatcg acacactcaa aattgagatc agaagccttg agcattttca tatgacaata 300

actttatagt cgcatgtcct attgagtccc gtaatatatc gggatgcttg aaattgataa 360

tggaagctcg tagcaaattc aaacgagaat aactttatac aaggatgacc gattgagtct 420

cgtaatatat cgagacgcta caaaatgaaa acggaagctc gtagcaaatt caaacgacaa 480

taacttttttt ctcggattcc cgattgagtc ccatattata tcgagatgct ccaaattgaa 540

aacg 544

<210> 5387
<211> 530
<212> DNA
<213> Glycine max

<400> 5387

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tttctccatt ccatcctaaa ataaccaaaa agagaattca ccatgtaata agtattctga 120

atcggtaata aagaaaatgg aaaacaagga caattgaaat aaaaaaatag tatgcaggat 180

caaaccatga aagcatatgc agaaatggac ccctaaatat atatttttat caaaaaggtt 240

tttcctatta atagttgaca gttcttgcat atagcaaacc cttaagaaaa ttaaaaatat 300

atatatataa aatcaaaaca ccgtctaaca ctcattctta ggacatgaat aactggacaa 360

gtaacccatg gatgattgaa ccatccctct gttgtcttca agactaggac agcaaatatt 420

tgcctttcta ggttctaggg tctataaata aaagaaaaaa acccgagata aatcattcat 480

tcaatcataa gtgaaagaaa acatgaagaa tatatttcta aaaatactat 530

<210> 5388
<211> 489
<212> DNA
<213> Glycine max

<400> 5388

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ctgtgaccca gagagaaacc atggaaggat gaaagcctgg gtagttcaga tctttgatgc 120

atagaacaac ttcattcaca tctctagcac tggattgaat agcaactgtc agaaaaatat 180

gtaacaagac aaaataactt gaaaaaatat catcatcgta gcactacaaa aattagaaat 240

caagtttctt tgtgactact taaaaagcat agttactcaa cagggattcg aatcgtgaat 300

tgcccagcta atttttaat catgaaacat aatttgtatc gaattgtaag actcaaaaca 360

attaaaaatt acttcaaata tatcatataa ttgatatgta gtgctcaatg taaaaattta 420

aaatagaaat aaataaaata acttaaccat aagttctata taaacaaatt attaggtata 480

tctaaatct 489

<210> 5389
<211> 564
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5389

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tacttgccaa acttttccat catcaacact gccatatttt gcaatactgg atcatcacac 120

ttaagtgttt ctcgcaacaa ccattcaatt ttccatactt gcatgaagta ttcattggaa 180

gttggataag atgtacctaa aaaaatttca aataagataa ttaaactata aatataaatc 240

tgaaactatt tattataatt atgaagtttg aaaaaatata actgaaatca aattagtcat 300

cttataaaat ggcttaaaaa attcacccac tttttcagct cttttccatt cctcattaga 360

tggacaacat ttgtattttc tatcacgaat aatgaaactt gcaaaagcac aacgatacct 420

aagagcactc tcaagcatga tataagtaga attccaccga gtaggcacat ccaacctcaa 480

gcccactnta gtatcaatac ctcttacttg agcaatacan ttgataaata ctatntttct 540

tgactcagag ctctcacata ttta 564

<210> 5390
<211> 562
<212> DNA
<213> Glycine max

<400> 5390

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cagtgaccta ttggaacaat tacaaattgt catgtcttat aattttgttg aatttttagt 120

aactactaac tagcttaaaa gtcataccta ccaactgatt gatcgatcgt gcaaaaagtt 180

ttatactact agcatattat aataaaattc attgtcttat acgttaaaat ttgtttattt 240

ttatagtaat tactttaaaa gctatattta taataaattc tgatgggtta atgatttaca 300

atagcaatgc atggaaatta aactgataaa taataattat ataggcatta acaggggtta 360

attataaagg attctaaagt tgcaagtaac atacctgtct atcaaacctc ccaggtctaa 420

gcaatgctga atcaagaatt tcaggtctgt tggtagcagc aatgactata actccagtgt 480

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<210> 5391
<211> 484
<212> DNA

<213> Glycine max

<400> 5391

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agtggttcat gagcaggtaa cactttcctc acttcactcg cctctgcaaa ataattaaat 240

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ctcttctttt tcatattcct ttgtggggcc tcactatttt ctttctcttg ttctctcttt 360

tctctcattc tgatttggtc atcacacact tctctaaggg atagaggttt aagagtaaac 420

gaggaagatt tggctattcg tctgtaaggc ttttctttgt tacggttcaa caaatgttgc 480

attt 484

<210> 5392
<211> 437
<212> DNA
<213> Glycine max

<400> 5392

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gagaaactca aatggtcata acttatcaca cggaggtccg attccggcgg atagtatatc 180

gagaagctcg gaattgaaca acgaaagctc tcgagaaatt caaatggtca taacttttaa 240

aacggaagta agattcaggt gcataatata tcaagaagct cgaaattgaa caacggaagc 300

tgtcgatata ttcaaatggt cataacttat cacacgaaag atcgattcat gcgcatgata 360

tatcgagacg ctcgaaattg aacaacggaa gctctcgaga aattcaaatg gtcataactt 420

atcacacaag cgggctg 437

<210> 5393
<211> 473
<212> DNA
<213> Glycine max

<400> 5393

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tacttcctca ccttctcatc ttcttggatt tccccatctt cagatgcagg tttggaaagt 180

gaagcatcaa gccatccttc agatattgcc ttggggacaa atgactgaaa caatgcctta 240

gctgatggaa tatcaagagc aagatcatct agggattctg ccaaacgaga aaacccttc 300

accatttggc tggaactaac cagtccttct tctgctgctt cttttaatag cttcaacatt 360

ggaggttctg cggaacgtat ctccatggca agtatcacag ccctcttaac aacctcatga 420

tggaagaatg aaaccccaa ctccgtatac acctacaggc tttcaatgtg gca 473

<210> 5394
<211> 635
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5394

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caagcagaaa atgaaggcgt atcatgacaa gaaattgcat aaacagaact tccagccagg 180

ccaacaggac tctttaactc taggcttaga ttgttcctag gtaagttgaa atcgaagttg 240

ttaggaccgt ttgtcattaa agaagtgaga ccccatggag caattgagtt ggaggatcct 300

acaagaagca atcttgaaaa aaatggatac tcaatggaca acacttgaag atctacaatg 360

gcagacaatt agagaggctc acaagcattg tctatttaaa tgacccgtga agaaaacaca 420

acgtctagtt aaagacgata aactaagcgc tagttgggag gcaacccagc acatatgtac 480

aaaatccatc tttctggact ttttcaaaaa aaaaaaagcc caacaagtgt atacagtaga 540

aacaggggtg caagaaagca aaatcagatg ngctcacgaa gactcgtgct aagcacgcta 600

cttggcgcta agcgtgcagg atgtcacatg cgctt 635

<210> 5395
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5395

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tgcttgggct gtggcatgtg aacgggacca atggggccgt gctatagctg gtacattatc 180

ctataattgt gttggtttaa atggtggtct ttatcttgca tttgggatgc tttgtaactg 240

aaagtgcctt tttgtttgtg tgcaggacat gttaatgttg ctcctcgtca tttgacagct 300

gaggcaaaga ctntgctttc agcgactctg atacatgagg tttgattatt tttttgtgtc 360

tagaagagat tatatttgaa gcatggctga 390

<210> 5396
<211> 478
<212> DNA
<213> Glycine max

<400> 5396

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ttaagaagag aggttgaatt aagataccaa actatcccca actaaaaatt atctctctct 120

ttaactaata atgaaaccct aattatgaat tatttcaaga acaattcaaa ataaacttct 180

ttaaagcgaa atataaactg caataaaata aaacaagttt aagggaagag agaatgtaaa 240

ctcagatttt atactggttc gaccatgtcc tgtgccttcg tccagtcccc aagaaacctg 300

cttgagattt ccactatctt gtaaaatcct tttacaaaat tctgaaccac acagggacaa 360

ccattccctt gtgttcagat aaccttacaa cttaagagac cctcggtctc ttaatcagat 420

ttctttgaat aataagaaga agcattttct ctgtttacac aaagatgtac aatgaaag 478

<210> 5397
<211> 457
<212> DNA
<213> Glycine max

<400> 5397

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gaatggagat agaattgata gagtgaggca gctgacagaa gaggttatta atcttaatga 180

attggaggaa aagatgctta tgcagagagc aaaagtggat tggataagga aaggtgatgg 240

gaataactcc tttttccatg atattataaa aagcagaaat aatagaagaa gtatatacat 300

gctgtagaaa actgatggaa ccttgcttga aaaccagtct gagatagagg atgagatcat 360

ggatttctac aagaaactca tggggactga tgatagccag ctgcaccata ttgacataga 420

tgctatgaga aatggcaaac aagttaatat ggagcaa 457

<210> 5398
<211> 431
<212> DNA
<213> Glycine max

<400> 5398

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ttgcattgac tctcggaagt ctcaacatct ggatacatct tcatgatggc taatggagca 120

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atttcataat ttgaagcaac atcatagggt atttggttaa aaagtttcat ggccgatcta 240

caagtgattg attacattcc tagactggta aaggtgtatt gtgataatcc agctgttgtt 300

tttctggcta aaagcaataa aagagaaagt caaacattga cattaagtgt ttagccatga 360

gggaacatgt caaagtgaat gaaatcatta tttaacacat cactattgaa ctaatgattg 420

tagacccatt g 431

<210> 5399
<211> 665
<212> DNA
<213> Glycine max

<400> 5399

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ttgtggcaat caaaagcctc tttgcactgg tcatcaaaat caaactccac ctccttttgc 180

agcagattgg atagtggaag ggccactttg ctaaagtcct tgataaagcg cctataaaac 240

cctgcatggc cgagaaagga acgaacctct cacacacaag aggggtaagg caattgtgaa 300

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atgcgtctat taagaactct atccaaacta tccaaacatg catcaagaga ggatccataa 480

acagtaaaat catccataaa cacctcaatg caactctcta aaaagtcact gaaaatgcta 540

agcatacacc gctaaaaggt accaggggcg ttgcataagc caaagggcat ctttctataa 600

gaaaaagtgc aaaggacagg tgaatggggc tttttctgac cctaggagca tatgaattgt 660

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<210> 5400
<211> 552
<212> DNA
<213> Glycine max

<400> 5400

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gtcaacatgt aattggactt tgcaactatc caatcaatca tagttataaa ttagtaatca 180

tatcacaaat tatagatgaa aattacttat ccattcattt aaagattaac cattggttaa 240

aagaaaaact tatacgatat caattaatta catatataat atctatatct agaactataa 300

tgatctaatt gtctaattga caagattaca aacgtctcgt ttaatatctt tccgtcaaga 360

ttaccttagc ttagggtata tatatttcgc aacgacttcg ttgacattaa tggtgaagta 420

gttggcgtgc atttgtcacg aagaagcaaa gaagaaccct tactcggggt cactaacaag 480

gcgtgcgtgc tcgttatgct acttgtctac acttcaaaat taaaataaaa taaataccag 540

ggctttaaaa ca 552

<210> 5401
<211> 190
<212> DNA
<213> Glycine max

<400> 5401

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aaagcccaat cggaccatac attcctacag cggtccaact tcggcaacga ccacagaaac 180

atgctacaga 190

<210> 5402
<211> 579
<212> DNA
<213> Glycine max

<400> 5402

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ttatgaccat ttgagtttct cgagagcttc cgtggttcaa ttccgagtat ctagacctat 180

tatgtgcccg aatctgacct tcgtgtgaaa agttatgacc atttgaattt ctcgagagct 240

tccgatgttt aatttcgagc gtctcaatat attgtgagcc tgaatcggag ctcagtgtga 300

aaagttatga ccatttgtat ttctcgaaag cttccttggt tcaattccga gcgtctcgac 360

atattatgtg cccgaatctg accttcgtgt gaaaagttat gaccatttga atttctcgag 420

agcttccgat gttcaatttc gagcgtctca atatattgtg cccctgaatc ggacctcact 480

gtgaaaagta tgaccattgg aatttctcga gagctttctt ggttaaattc gagcgtctcg 540

attattatgg gcctgatcgg accttcgggg aaaagttat 579

<210> 5403
<211> 520
<212> DNA
<213> Glycine max

<400> 5403

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agatggtcca gccctcagca acaacaacag cagcctgctc cttccttcca aaatgctgct 180

ggcccaagca gaccatacat tcctccacca atccaacaac agcaacaacc ccagaaacag 240

ccaacagttg aggcccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300

cagaacatgc agtttcagca agagactaga gcctccattc agagcttaac caatcagatg 360

ggacaattag ctactcaatt gaatcaacaa caggcccaga attctgacaa gctgccctct 420

caagctgtcc aaaaccccaa aaatgccagt gccatttcat tgaggtcggg atagcagtgt 480

caaggacctc aacccgtagc acctttctta tctgcaaatg 520

<210> 5404
<211> 625
<212> DNA
<213> Glycine max

<400> 5404

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cgttgtaaat tcagtttgaa aacttttttca aactcatttt actactggta atcgattaca 180

acaatatgat aatcgattac cagagagtaa aaactctttg gtaaaggttt tgtcaaaaac 240

tcatgtgcta ttcaaatttt tgaaaaactt tttaatactt atcttgattg agtcctttct 300

ttattcttga atcttgagtc ttgaatcttg atcttgatta ttgagatctt taatcttgaa 360

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cttgacttgt tcttgattca cttgagttgt tctttgatct tttgagcttt ttggtcatca 480

cctttgtcat catcttttgt gtcatcattg ttatcatcaa aacacctttg aatcattggt 540

gattcatcat gaatctttgc tttcacaata ttgcctaccc tgaataccct aacctaacct 600

gtaccctgta tgcatgtgac ctact 625

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<211> 353
<212> DNA
<213> Glycine max

<400> 5405

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taagaagggg ggttgaatta attattgcta aacctttact aattaaaaat ttctcttctg 180

agacttttac taaattgtta agagaatgag gagtgaaaga taaacttaac agatagtcaa 240

agcgaaaatt aaatgcacag cggaaagtta aagagtatgg aagaaggaga caaacacaca 300

agagttttta tactggttcg acaacaaccc gtgcctacat gcagtcccca agc 353

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<211> 509
<212> DNA
<213> Glycine max

<400> 5406

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tcactttcta ttcaagttac aaattccctt aacaatgaac ttcttaaata ttgattcaaa 180

tagaacaatc tgaatatgaa tataaaacaa taataaataa atgagtttaa gggaagagaa 240

agtacaaact tggatttata ctggttcggc cacacccttg tgcctacgtc cagctcccaa 300

gcaacccgct tgagagttcc actatcttgt aaaatccttt tacaagttct gaacacacaa 360

ggacaatcct tcctttgtgt tcagaattct tttacaacaa gagaccgtcg gtctcttaat 420

cccttagaga atttgaaaga agagaagaat gaatctctct tgaaagagat agattttaca 480

atctgagcac tctaatgatt ccttaatga 509

<210> 5407
<211> 553
<212> DNA
<213> Glycine max

<400> 5407

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attttattgc ccacactgtg gtccactaag gagctaccta atggataata aacttatagc 180

gcttactgct aactatgctc cttggaaaac cgtggagcct cacgctttac ttgaaaaaca 240

aatgcgaccc ctgtgaagca tcatcaactt ttttacatgg aataaaatga gccattttat 300

aaaacctatc tgcaaccaca aaagtggaat ctctaccatt gcttgttttt ggcagcccca 360

aaacaaaatc catggattaa tcaatgcaag gatactccgg aattggcaat ggagtataca 420

atgcatgagg ctttaccttа tactttgtct ttttacatac aatgcaatgt tcacaaaatt 480

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<211> 593
<212> DNA
<213> Glycine max

<400> 5408

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accaaaatac aaggcccaga cgaaggaaat acctattcta atatttacaa agataagcgg 180

gctcatactt agcccatggg ctcgaaatct accctaaggc tcatgagaac cctagggcct 240

tcccttggat ctctagccca atctacttgg tgtcttctac ccaatgccct tgcggggtag 300

gattgcatca cttcatatta ttctccatgt atatcctcca ttttcttgtg gtttggtgct 360

gtttagagta gattcaaaaa aataaaccga ttaaatctta gatctacact tgttcttgca 420

tttctatggt tcaaattttg tagatctact cttgaatcat gtttttgtgt tgagtttacg 480

ttctatcatt tttcattcat aatattcttg tgctgaacct tagatctaat ttttctttca 540

aatattgatt agaaaaaaaa acacaaaatc taagtgtaat cacttaatcc atg 593

<210> 5409
<211> 580
<212> DNA
<213> Glycine max

<400> 5409

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ctgtgatttt ggtctgtcac gaatgaagca ccatacatat ttgtcatcca aatcctgtgc 180

tggaacggta acttttcaga acttggatat aagcttttgg aaattctgtt tttactcctt 240

attcaccatt gatataaatt atcaccatag ttggtttcat tgtaggatct acaattttta 300

caataaaaaa aactaaatat atcttttgcc tgcagccgga gtggatggcg ccagaagtct 360

tgagaaatga accagccaat gagaaagaag ttaattctgc gtctgtgtca gcttcatgga 420

aatatgattt tgaagttcgc aatgtgatag ttaaagtttg catgcacgtg tgatgtgtat 480

tagtttggtg tgatcttgtg ggagttaact accacaagaa ttccctggca agggtttgaa 540

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<210> 5410
<211> 485
<212> DNA
<213> Glycine max

<400> 5410

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<210> 5411
<211> 548
<212> DNA
<213> Glycine max

<400> 5411

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ccaagtctag ggtgatgcct catgggctat acacaccctt acctatccca tctgcacctt 240

gggtagacat tagtatggac tttgtccttg ggcttcctag aacccaaaga ggtgtagact 300

ctatctttgt ggtggtggat aggtttagca agatggcaca ctttatacca tgccacaagg 360

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gcaaacag 548

<210> 5412
<211> 565
<212> DNA
<213> Glycine max

<400> 5412

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tctcaaatct tccaaagttg attggcattt ctatgaccca tatatgttac agttaccaaa 180

aaggttcaaa gagaaaacca aatggtgtgg aatagtaagc cccggttggg caccatagtt 240

gaaggtattg agccacaagg cagttggtgg ggttttgact cactctggtt ggacctctgt 300

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attgaactcg agggtgttgg aagtgaagaa tatggggtat tcaattccta aggatgaaca 420

agatggatca ttcacgagtg atgcggtcgc taacttaata aggttggtta tggttgtgga 480

aaaaggaagg atttacagag aaaaggttta aaaggtgaag gatttatgtc tgaatattgt 540

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<210> 5413
<211> 691
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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gaacatttct ctctatatga ttaactttgg attttgagtc ataccttatc caaaactaga 180

catacatgac tttttataca ggtaaagttt ataaaatttt gttatctaat aagtataagt 240

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ataaatttat aatccgataa atatatttat gtataaattt ggtttgggtt ggattagatt 360

gaattttaaa atcaaatcca aaatctgatt ttatccaaaa caaatgggtt tattaaattt 420

taatttgttc gactattggt ttatttgatt ttcagttntt tgcttgattt attcataaag 480

ttatttgata aaattagttt atgaacattc ctaagaaaac cgataaagta aagacatcan 540

atgtacaatt aagtctatta actagtaaag tacgcctttg ttgacanatc tacagtgtta 600

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ctcgtactaa ttttttcagt ttaaggaaaa g 691

<210> 5414
<211> 562
<212> DNA
<213> Glycine max

<400> 5414

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ttgttatatt acaacatatt taatttggtt ttatttttaa cattgattat tgtatgttat 180

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gatttcaggt tctggaaata gccataaata ctatgttttg ttttgcttaa tatcgcttga 360

catattatat taaaaattaa aataaaatgt gttaactatt acaggttcct tggttatatc 420

attaaacctt aaagttgcct tcaccagttt aataaccagt cctattttaa aaccttgcac 480

ttgcttataa tataagggac tgaagtaaga tgctgcttgc catttagtag ataatattta 540

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<210> 5415
<211> 602
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5415

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gaatttatgc ttcacttaaa attaagttta ttactcatct gagttcttga tttaatccct 180

atttctctcc ccctttggca tcaacaaaaa gccaaagtgc ataacaagta tgaaacatac 240

aaatacaact aatcattcac acatcaatca tggaaaaata taaactaatc atgaagcaag 300

aaacatgact agatcaaata tatagaaaaa tcacatagtc atataacata attcataatt 360

gttcaaacaa accatgcaaa taaagaaata ctaaattgtt caaatgtcat aataatatag 420

ccaaatacac ggctggaaat caaagtacta gtaatattaa aataagagaa aaactaaaat 480

aatggtggcg acggtggtgg tagatcaaag cttgaacgaa tataagagac atcttcttcg 540

actntggtga ttcttgactc catctcattg aagcgcatgt ccacttgtaa ctccaaagta 600

tg 602

<210> 5416
<211> 540
<212> DNA
<213> Glycine max

<400> 5416

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ctatacgaga catcttgcca aacaaagtca ggttcacgat aactcgcctg tgctttttct 120

tccatgctat atgtagcaaa gtgatttatc cagtaatgtt tgatgagttg gaaaatgagg 180

ccgcaattat actgtgccag ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt 300

ggatgtgccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaaa aatctatatc 360

gtccggaagc atctattgtt gagaggtaca ttgcagaaga agccattgaa ttttgtttag 420

aatacttaga aaaggctaaa gctgttgggc ttcctgagtg tcagcatgat gacaaagtgg 480

gggtaagggg tcaagaggac tgcacgtgat cacttcaagt gtagaagatt tgttacaagc 540

<210> 5417
<211> 524
<212> DNA
<213> Glycine max

<400> 5417

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gggaatcgat tggtgatttg gatccctacg agtatcaact ggtgctacaa tgtgacatac 120

cagactcttt aaatatgtct aagcgcatac ttccttagtc taaaactgac taaagaaatg 180

tacttttagt tgagcaatgt atccttggtc atttcttatg aagactatat catctatata 240

gaccaccgag taagaacatc tactctatga cgtatgacaa taaaaaactg aatggactgc 300

ttcacttcgg tatatcccaa aagcctgaac agctgagctg aattttccac accaagcacg 360

tggggattgt ttgagtccat aaagagacct ccaaaatctg caaaccaagc tatactcccc 420

ctgagcaaca aatcccgggg ttgctacata taaatcggct attctaaatt cacatgtaga 480

aatgcatttt taatatccaa ctgatacagc ggctaaagac agat 524

<210> 5418
<211> 521
<212> DNA
<213> Glycine max

<400> 5418

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tatctgttat tttaagaagc attctaatat aggacaaaga taattcataa ttagccgcat 120

gatcacatga tctgatccta ttatgtaaca atagaatatt attgttattt tatggacaac 180

tttgacattt ataaaataat actcccttgg cagtattaat tatattcttg gtgctagcga 240

aaaatataat aatattccac tagaatattt atgtggttag atgaaattct gtaatttaat 300

tatcaaataa attattttgt tttgcaaaga ttataacact catttgtatg tgacctcata 360

tgttcaatac tacacggata atagtacatt aatcatcatt aatttactag tcaaggtgag 420

catctaacaa cactccttaa cgtccggatg gtatgaagta acatcttgta cttttcaaga 480

accaatgaaa gaataatata acgttttctt ccatcattta t 521

<210> 5419
<211> 570
<212> DNA
<213> Glycine max

<400> 5419

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cccatgattg ggtagcaatt tttgatttgg atccatagga gtatcaattg gtctacaatc 120

tgacatacca gtttctttaa gtatgtctaa cgcatacttc cttagtctaa aaatgactaa 180

ataaatgttc ttatagttga gcaatttttc cttggtcatt tcttatgatg actatatcat 240

ctatatagac caccaagtaa aaacatctac tcgatgaggt atgacaataa aaaactgaat 300

ggtctgcttc acttcgtttt atcccaaaag cctgaacaac tgagctgaat tttccaaacc 360

aagcacgtgg ggattgtttg agtccataaa gagacctcca aaatttgcaa accaagctag 420

actccccctg agcaacaaat cccggtggtt gctccatata aatctcctat tctaattccc 480

catgtacaga tgcattttta atatccaact gatacagtgg ctaatgacag atggcagcta 540

tggcaagaaa gagtcaaaca aaagtaattt 570

<210> 5420
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5420

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tagcaatttg gaaatttatt gcttttacac caagtgatgt ttcatagttt agttattaac 120

atctacgatc aaactttatg gttagcataa actggaacgc tgaacaacag taggtgttgg 180

ctttgggttc atgctttctg atagaacaag tactttgaag acatgtttta ataatatttt 240

tcataatttt gaaactgttt tatttaagct tcagcagttg ttgcttgcta gtactcatgc 300

tatgttggtt actctctagt ctacttacta ctaatgttgg agctttttcc catctatgct 360

ctctatatcc agtatttgaa gntaagagct ctttaaaggc aatcctatac acattacttc 420

tatgaagcaa ctgtcggagc tggtctttca attggtagca ctctacgtgg cctccttgaa 480

actggagaca aaatattaca aatcgaaggc atctttaggg ttgctttgat ggggtatatc 540

tcttttt 548

<210> 5421
<211> 619
<212> DNA
<213> Glycine max

<400> 5421

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gtttgattct accaagagaa ataatcaagg atgtgcttaa aagacccacg tcaggaatgc 120

tggacctctt tctacacacc aatctccctg tggcctcact gtaatgggtt agcacagaaa 180

atatactgtc catggcagta acagcacttc gcttctcatc atcactcgcc tcacacggct 240

cttctctctc cacttctgca tcccacaaag ctaaaaaatc agtagaaccc aaacactagg 300

acaattactg ggagaccaaa aggaactatt acaattctgc atcaaatatc aagtttaaaa 360

tacattttaa ctttttttct ttatttagca taacctaaca tgatcaaaaa gcacatgtat 420

ctacgttttg tcctaaaatt atttttaatt atgcgactaa tttaattatt atggttggtg 480

aagcaacgct tgagtacgaa gcactcactt gacatgcatg aataaggaaa gaaaaggaag 540

aaaaaaaaaa ctaaaccaag aaataaacct ctgacatcag gttcgagcac ttgctccaat 600

gaacaaacgc gatcaatct 619

<210> 5422
<211> 598
<212> DNA
<213> Glycine max

<400> 5422

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aacaaaatgg gcttttcaaa taaaaatccg acccacttta agtgactcag tacaaaaaca 120

ttgcatttca ttaagcttgc gtttagtgat cacaatccat atgttggatg catgtgtata 180

gtgcacaaga cttactaagc tcattggacg atagggcctt tggatgcata tcaatgtgtt 240

gagaccttcc acataaattt gaaacttcat tccacaagaa gcatgccaag caaactctta 300

gcgagattaa cctatcctca gtaaagggtt ttgtaaataa ataaacaagt tgatctcctg 360

tagatacaaa atgtaattcc atagtaccct tctaagtgtg atcccttatg aaatggtgtt 420

ttatttctat atgtttggct catgaatgca tgataggatt tttagaaaga tcaatagcaa 480

caatattatc acaaaggata gtaatgttac tctcaaatag gttatagtcg gcaagctgat 540

gttaatccac aggagttgaa aacaaagaca tgcaggtgat atatactcta tttatgct 598

<210> 5423
<211> 514
<212> DNA
<213> Glycine max

<400> 5423

tgcatgattt acattctctc cctttctcaa gaaaattctt atttcttctt gacatcatca 60

aaatcttcat gatatacatt ttctgtatac acacgcatta aaaactcttt ctctttgtat 120

caacacggtt tatataaaaa ctctattcct gttcaaagat ttcttttccg tttttcaaca 180

aacactcgtg gtttatacaa aaatttattt atatacactc attactcaca cacaagaatt 240

tctttttaca cattattttc acacacaaaa tgtctccata cacttttttac atataaaaac 300

tcttttcttt tctttatata tagacatgac atttgttcac aacgcctctt tctttttttct 360

attcttagcg ttatcatgat tattttgttg ggtttatttt tacgacgacg ttcctaaagg 420

agaactctac aaggtttcgg aattctcaca aacattatct acgataacta acacaacagt 480

ccacacaaaa tgtatgctca aaacaaaata tgat 514

<210> 5424
<211> 609
<212> DNA
<213> Glycine max

<400> 5424

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gggtagaagc ggcttcttat accaatgtca tgaagagtgt ggtggtcaga ttcataaaga 120

aggaacttat ttgttgatac ggactcccta ggaagatcat tactgacaat ggcaccaatc 180

ttaataacaa aatgatgcaa gaaatgtgcg gggatttcaa gatccagcat cataactcca 240

ccccctatcg gccaaagatg aatggggttg tggaggctgc aaataaaaat atttagaaga 300

ttattcagaa gatgacagtg tcatacaaag attggcatga gatgttccct tttgccctgc 360

atggatatca aacctcggta cgaacttcta ctggggcaac gccgtattcc ttggtttatg 420

ggatggaagc ggcgctccca tttgaggtag aggtcccttc ccagaagata ctagcggaat 480

tgggcctaaa agaatcagag tgggctcaaa catgctacga ccaactcaac cttattgaaa 540

ggaagcgttt gacagccgtg agccatgggc gccagtatta acaaaggata aagaacgcgt 600

tcgacaaga 609

<210> 5425
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5425

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atatatcgag acgctcgaaa tggaataccg aagctcagag caaatttaaa cgacaataac 120

ctttttactc ggatgtctga ttgagtcccg taatatatcg agatgctcga aattgaatgt 180

tgaagctctg atcaaattga aacgacaata aatttttact cggatgactg attgagtccc 240

gtaatatatc gaaacgctcg aaattgaatg ccgaagctct gagcaaattc aaacgacaat 300

aacttttttac tcggatgtct gattgagtcc cgtaatatat cgagacgctc gaaatggaat 360

accgaagcgc tgagcaaatt canacgacaa taacttatta ctcggatgtc tgattgagtc 420

cccgaatata tcgaaaagct cgaaattgaa tgttgaagct ctgagcaaat tcaaacgaca 480

aaaactcttt acttggatgt ctgattga 508

<210> 5426
<211> 510
<212> DNA
<213> Glycine max

<400> 5426

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tgtgtaagga tggtaagagt ccatctattt tttatgctgg ccgtgaaccg tcaccatcgc 120

agattgctga ctcaggagga tctaatggga agaaaacacg atcgaagaaa ggttccaaca 180

agaggacaag tgcaagcgca acggtggatt tatggacttt gctaactcaa tgtgcacagg 240

ctgtggctag ctttgaccaa aggactgcaa atgaaacact caagcagatt aggcagcact 300

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aacggttagc tgctgggaca ccaaagttca tttcctttca atcagcatct gccgcagata 420

tgttgaaagc ctacagagtg tatatctcag catcaccatt tctcaagatg tcaaatttct 480

tggctaacag cactattctg aagctagcac 510

<210> 5427
<211> 376
<212> DNA
<213> Glycine max

<400> 5427

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gcacagagta tattaaaaag aatgtgttaa acatggtatt ttcaggtgac tattaagtat 120

atggatttga cttgggatgc gtgaacaagc tctcattcaa tggcgaaaaa gctcgtgaac 180

gagtcacctt cccctgtcca cctctggcac tccaaccact gagtgctgta ttggacctgt 240

aaaatgccca ctcactcatg ctggccttgc ctaaaatgat agccccagct tctcttaatc 300

tggaaactac acctgcatct ctaggcacca cagagcccag aagagcaaaa gagcctgcag 360

tggtgttcat cttatc 376

<210> 5428
<211> 561
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5428

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atattggtaa tcggttacca gtgtatctaa acgttgaaat tcaaattcaa ttgtgaagag 120

tcatatcttt tcagaaatgt tttgtgtaat cgattacatg gttatggtaa tcgattacca 180

gtgacaagtt ttgaatgaaa agtcaagaga tgtaactctt ccaatggttt tcaggttttt 240

ctcaacgtta taactcttcc aatggttttc ttgactggac atgaagagtc tataaaagca 300

agaccttgac ttgcatttca ataacttttt ataacaactt tttagaattt cttgaacaac 360

ttttgagaaa tcttgaaacc cttactactt atncttcttc ttcttccttt gccaaaagct 420

ttctaagttt tctggtttcc aaaccttgtt ctttcacaga aaacaaaagn gngctatatc 480

tttttattct ctcctccctt gccaaaagag ttcaacaagg actaatcacc tgaatctttt 540

tttggctctc ttctcttttt c 561

<210> 5429
<211> 440
<212> DNA
<213> Glycine max

<400> 5429

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tccgattcag atgcataacg tatctagatg ctcaaaattg aaaaacagaa gctctcgaga 120

aattcaaatg gtcataactt ttaacatgga tgtctgattc cgaagcataa catatcgtga 180

cgctcaaaat tgaataagag aagctctcga gaaattcaaa ttgtcataaa ttttcacacg 240

gatgttcgat tcggggataa aatatgttga gatgcttgaa attgagagat aaaagctctt 300

gtgaaattcc aatggtcata acttttcact cggatttccg attcaagaca tttgaaattg 360

accaacctga gctctttaaa aattccaact ggtcgtaact tttcacacgg atgtccgaat 420

ccgggaaata ttatatcgag 440

<210> 5430
<211> 487
<212> DNA
<213> Glycine max

<400> 5430

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tagcatcatt tctggcattg aattgctggg agttggaagc catcttctca attaaatttc 120

tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatgtt actaagtcct tcataaaaat attgggggag aagctgctca taaatctggt 240

ggtgagagca actggcacat agtttcttga atctctccca gtattcatat aattaagctc 300

tctccactga gttgcctaat tcctgaaata tcttttctga tggtcgtggt cctggaagca 360

gggaaatttt tttctaagaa tactctcttg aggtcatccc aactcgtgat ggaccgtgga 420

gcaaggtaat atagccagtc ctttgccact ccctctaaag aatgatgaaa ggcgttcaga 480

aatatgt 487

<210> 5431
<211> 598
<212> DNA
<213> Glycine max

<400> 5431

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atatatcgag aagctcgaaa tggaatacca aagctctgag caaattcaaa cgacaataac 120

tttttactcg gatgtcttat tgagtcccat aatttatcgg aacgctcgaa atagaatacc 180

gaagctttga gcaaattcaa acgacaataa ccttttttact cggaagtcgg attgagtccc 240

gttatatatc cagacgctcg aaattgaatg ttgaagctct gagcaaattc aaacgacaat 300

aacctttta ctcagatgtc ggatagagtc ccgtaatata ttgagacgct cgaaatggaa 360

taccgaagct ctgagcaaat tcaaacgaca ataacttttt actcggatgt gcgattgagt 420

cccgtaatat atcgaaacgc tcgaaattga atgttgaagc tctgagcaaa ttcaaacgac 480

aataaatttt tactcggatg tccgattgag tcccgtaata tatcgagacg ctcgaaatgg 540

ataaccaaag ctctgagcaa atacaaacga caataacttt ttacttggat gtcttatt 598

<210> 5432
<211> 625
<212> DNA
<213> Glycine max

<400> 5432

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atcgagacgc tcgaaattga atgttgaacc tctgagccaa ttcaaacgac aataacttttt 120

ttcacggatg tctgattgag tcccgtaaca tattgagacg ctcgaaattg aatgttgaac 180

ctctgagcaa attcaaatga caataacttt ttactcggat gtctgattga gtcccgtaac 240

atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aatacaaacg accataactt 300

tttactcgga tgtctgattg agtcccgtaa catatcgaga cgctcgaaat tgaatgttga 360

agctctgagc caatacaaac gaccataact ttttactcgg atgtctgatt gagtcccgta 420

acatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaatacaaa cgaccataac 480

ttttttctcg gatgtctgat tgagtcccgg aacatatcga gacgctcgaa attgaatgtt 540

gagctctgag ccaactcaaa cgacaaataa cttttactcg gatgtctgat tgagtcccgt 600

aacatatcga gacgctcgaa attga 625

<210> 5433
<211> 557
<212> DNA
<213> Glycine max

<400> 5433

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aaaaaagtta ttgtcgtttg agttggctca gagcttcaac attcaatttc gaccgtctcg 120

atatgttaag ggactcaatc agacatccga gtaaaaagtt atggtccttt gtattggctc 180

agagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat cagatatccg 240

agaaaaaagt tatcgtcgtt tgagttggct cagagcttca acattcaatt tcgagcgtct 300

cgatatgtta cgggactcaa tcagacatcc gagtaaaaag ttatggtcct ttgtattggc 360

tcagagcttc aacattcaat ttcgagcgtc tcgatatgtt acgggactca atcagatatc 420

cgagaaaaaa gttatcgtcg tttgagttgg ctcagagatt caacattcaa tttcgagcgt 480

ctcgatatat tacgggactc aatcagacat ccgagtaaaa agttattgtc gtttgatttg 540

ctcagagctc aacattc 557

<210> 5434
<211> 645
<212> DNA
<213> Glycine max

<400> 5434

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ttacaggtat gggtaatcga ttacatgccc aataagcctt ctggtaatcg attacaggat 120

gttgtaatcg attacaggct gcctgttcat gtgtaatcga ttacactgga tggtaatcga 180

ttaccagagc ctatcctagg ctagtttcta agagaatatc tatatttatg ctcaaataca 240

tcctatatga ctaattttca ctactaatac actaaattca atcattcaat tactatgtac 300

acaagaaatt ataaattcta tcataaaaac aagaattcaa acaagatcaa acaaaacaat 360

ctacaatcaa aagataaaaa gttaatcaac ctatcaatca accaatcaat caaccaatca 420

attcctattt gtctaaatct cttacatcta aaagacctaa ttctcttcta atagagaaaa 480

acactttctt ggggagaggt ttagtgaaaa tatcagcaag ttgattctta gtatcaacaa 540

attctaatac acaatctccc tttaagacat gatctctaaa aaagggtgtc taatctctaa 600

tatgttagtt cttgaatggt gaactgggtg tttggataga attat 645

<210> 5435
<211> 561
<212> DNA
<213> Glycine max

<400> 5435

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atatatcgaa acgctcaaaa tttaaaatcg aaggtcgcag caaattttaa cgacaataac 120

atttcactcg gaactccgat tgagtcccgt aatatatcga gacgctcgaa atttaaaacc 180

gaagctcgca gcaaatgcta acgacaataa catttcactc ggaagtccga ttgagtcccg 240

taatatatcg agacgctcaa aatttaaaac cgaagctcgc agcaaatgct aacgacaata 300

acatttcact cggaagttcg attgagtccc gtaatatatc gagacgctcg aaatttaaaa 360

ccgaagctcg cagcaaatgc taacgacaat aacatttcac tcggaagtcc gattgagtcc 420

cgtaatatat cgagacgctc aaaatttaaa accgaagctc gcagcaaatt ctaacgacaa 480

taacatttca ctcggaagtc cgattgagtc ccgtaatata ttcgagacgc tcgaaattta 540

aaaccaaagc tcgtagcaaa t 561

<210> 5436
<211> 598
<212> DNA
<213> Glycine max

<400> 5436

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gttctcttgt gtcaggatga ggtctgttag gagaacacaa acctttaaca tcaatcggac 120

tatacctttc tcttcaaatc cagcgatcaa ctgtgtaggc agaaatttgg agaagtatca 180

acttggtggg gtcatatttg gttgcaagaa tagtacttta aaagaatgtc aatcaaaaca 240

actctttggt tagtatttct ttcttttgct ttcttttatt gtaacatttg taatagatta 300

acagtaatta gtatgagttt aaaggattaa tgaatcaatg atttgtgttt taacaggctt 360

accaacaaac cacttttcct atgtgaagaa tattgatcct ggtctgccta tattcttatt 420

caactatagt gacaggaagc tccatggaat atttgaggca tctagcaagg ggaaaatgta 480

catagaccct tatgcatgga ttgatgataa ttcagatttg gatagaacac agtatcctgc 540

acaggtatca cttgttatat cttcttatca actctatctc acaagggtca taatgata 598

<210> 5437
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5437

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taaaagcatt gagcaaaaaa acaaacaata aatttaaaca aaatgccaga aatgtgattg 120

aaaactgaga gaaaagatat aacgtggatt gataagaaga atagcaacaa agtaagacat 180

ttagaaaata gggaaataaa aataaaggaa acaataaagg caaggaatta aataaataat 240

taccattact gggaatgtaa agcttatgac atgtaagaaa gaactgtata tcggcaagta 300

aataaatgga tagaaaataa cttanggtgt gtttggtaga gaggaatgaa aagggatgaa 360

agtgtgagga atgaaaagag atgaaagaga gtgtaaagtg aagttgtttg attgagatga 420

aagagagtgt aaaagagatg aaagatttaa attaaagttg taggcaaata ataaaagtaa 480

ctaaactaga gatggagcac ttattaaaaa atag 514

<210> 5438
<211> 496
<212> DNA
<213> Glycine max

<400> 5438

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gtcattctca agaaattttg tatttcttga ttccacaatc ctagtgctat gtgatggaca 120

ataaaatcta tacccttttgg acttttcagc atatccaatg aaatactcac taatagtcct 180

agggtctagt ttcttctctt gtgggttata aacactcact tcagatgggc atccccaaac 240

acgtatatgt cacaaactca gtttctaacc ttttaacttg aaaggtgtct ttaagacaac 300

cttgattgga actcgattta atgtatacat agtcatcttt aatgcttcaa tccacaagaa 360

ttaaggaggt tttctattac ttctcatact tcttaccatg tccattaaag ttcggtttct 420

tctttttgcc acaccattct gatccggaga accaggcata gtgtactggg caaaaatctc 480

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<210> 5439
<211> 574
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5439

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tcatcacggt tccccacccg ccaccacgta cacatggccc ttacaggttc gagatgacca 180

gcccctcagg cgtccgctgt gtttccttga ctataaagac gacaccgcga ccaccccacc 240

aacacgaatg gtccttaccc aatgggaagg cgagccaccg gaggacacct cgtgggaaaa 300

atggtctgac ctatgccagg cctaccacct tgaggacaag gtggttttcg gggaggacgg 360

tagtgttagc aatgccggca actacaactc cgatagcgag catctccgtc acgacaccaa 420

cccaagacca gtacgtatca ggggagcgcc agcacgtctg cgagattatc acgtgcaata 480

cctaccagga acaaaaggat aggctcgtac atacgataat agcaggtgca tgtacagaat 540

canggaaatg cacacgtgat ctaatacaca cgtg 574

<210> 5440
<211> 441
<212> DNA
<213> Glycine max

<400> 5440

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agatgttaga tataataata tgaggaaggt tgcttctcgt gcagattcca gggacaacta 120

tttatactgt cctagggctg tcgatctaca ggatgaggat ttaaggcatt ttcagcggca 180

ttgggaaaag ggggagcctg tcattgtcag caacgtgctt gcaaaaacat ctggtttaag 240

ctgggaacca cttgtcatgt ggccgtgcat tccgtcagat gactaagacc aagcatgaac 300

aacatttgga tgtgaaagca atcgattgct tacattggtg cgaggtttgc gtaacatctc 360

aatcttgaac tgtgagggat atttgcacaa attccattgc tcacatacat atatgtgaag 420

cttatgttga taatgtttaa t 441

<210> 5441
<211> 655
<212> DNA
<213> Glycine max

<400> 5441

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gaagcatgcg caaaccaggg gtattgggtg atgaaacatt aatcacctag aaaaggatat 120

taaaaacatt aaacagaata gattaccaaa catttgtctt acaaatttgt agtaagctgc 180

acagatgctt gattaaaaaa aattggaatc cctatgtcag ttgtttttg ccatccattt 240

ctcacttttc taaaccaggg aattggcaat ggaggtgaca acacccttga aagaaacaca 300

tttgttgaac atcaaggaca acctaaaaac ataatccttc aaattggatg atcaatcata 360

ctactcacat catgttctgg tgaaaggttt gggtgggaaa tttggaggat gtaaaaccgt 420

tcccattgct gagtttccat cctttcattt ctccataatg aacttaaaaa aaatgaccgg 480

tgattttaag ctggcagtaa aggcaatgat cctgggtata aatcttagat ctctttagtc 540

attatacacc acaacacttc tgttccttag taaaccaaca ttttatatag aagatgtatc 600

tttcaatatg ttaacttttg tatgcaatta cacataatac cgataatgaa tgatg 655

<210> 5442
<211> 616
<212> DNA
<213> Glycine max

<400> 5442

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agtactactt gctttaccac tagtttataa taatggtttt gtatgttgga tatcttttgt 120

tgtttttcac ttttgattgg taagtaatgt ttttcctcct cttggttttg acaaaaagct 180

acactgttcg ttcctttggg attagaagaa atgagaagat tgcatgctat gtcactatca 240

gaggtaacaa ggcgatgcaa cttttggaga gtggtttgca agtgaaggaa tatgaacttc 300

tcaaaaggaa ctttagtgat actggttgct ttggctttgg tgttcatgag catattgatt 360

tgggaatcaa gtaagttgaa gaaatctttg attttttcta ttttttttac tttttcctga 420

ggtaaacatt ttacgacaga cgtgaagttg aagatttgat atatgttgtg gtgtgcacaa 480

tgcatattca ctttatactg cattccactt ttgacttaaa ccaaatgcta actggtgtat 540

taatatagga gtttcaaaat tttctttcgt tgttttggac tttggtgctt atataaattt 600

ttttttttt gatatt 616

<210> 5443
<211> 454

<212> DNA
<213> Glycine max

<400> 5443

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aattctttta taaatccttg taaagttaaa aaaaatctca aaataccttg aacatattga 120

gagaaaagga ctaagcactt atttgtatat tcgtctataa gacatttcta cactactaca 180

atttatagat ttaacatcgc aaggttaaca tcggttattc acaaaaccga tgttaacaaa 240

agcacggtga catttttgta aataagtaga cttagttaac atcggttttg gaaaaaccga 300

tgttagtatc tcgttaacat cagtttggga aaaaccgatg ttatcgagtt gatgttaaca 360

ttcgattttt tacctagttg atggtaacat cggttatttt aaaaaaaatg aatgttctat 420

cattatatat taaaaatctg gaattgcaca accc 454

<210> 5444
<211> 439
<212> DNA
<213> Glycine max

<400> 5444

ttgaataccc caaggatcaa ttaggaaatt acttgtgaaa gtattattct catgaggatg 60

ggctcatggg ccactttggg atagacaaga tgtccataag cattgcacta ggtgtgtggc 120

ttgtttacaa gccaagtcta gggtgattcc ttatgggcta tacacaccct tacccatccc 180

ctctgcacct tgggtagaca ttagtatgga ctttgtcctt gggcttccta gaacccaaag 240

aggtgtagac tctatctttg tggtggtgga taggtttagc aagatggcac actttatacc 300

atgccacaag gtatatgatg cttcccacat ctcaaaaatc ttttttaggg aaagtgtgag 360

actccatggt ttgtctagga ccattgtgtc agatagagat gctaagttcc ttagccattt 420

ttggaaaacc ttatgggct 439

<210> 5445
<211> 622
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5445

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catttaatta ccttttgttg attcctgtgc aaacatgttt acttgtgttg ttatcctttc 120

catttacttg gataagactt tgatatttaa ttgttaattt tactaaggat gtcctcctct 180

acaagtgctt atattttgaa actatttcta tgtgatggtt gtgctggaaa tggttttggt 240

aatttatgct taattattat ttagaaggag taagtttgta aattataact ataaattttt 300

ataaaatata tttgtttgta acttactaaa tttttccttt taaagagtaa gtgtatgcta 360

gtaagtgtgt ataatacttg ttaacttaca ctcaattttt caaagaagta agttaacaag 420

ttattattat taaattttct taaagtacgg tcaggtacaa cttattaaat tacaccttca 480

aaataatgat tactaatgta gatggtgtta ttcgttcgta ttttttaact agataatttc 540

attntcagca atattttatt ttacaaatat ttaaattcat tatttaggta aaataaaaaa 600

atttacataa atatcatgaa ct 622

<210> 5446
<211> 586
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5446

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agtttctaat gactcctctg ctgcctccac ataaggcata gaggatgggc aactcaccaa 120

gatatcttcc ttgcctgata cgatgaccaa atgtccttgc actacgaatt tcaacttttg 180

gtggagtgta gagggaacaa ctcccactga gtggatccac gggcgcccca acagacagct 240

ttaggggggg ttaatgtcca ttatttggaa ggtgacttga caggtgtgag ggcctatctg 300

tactgggaga tcgatctctc ccctaacctc tcggcgggtg ccgtcgaaag cacgaactac 360

cattgaactt ggctttaagt gggaggcttt gaatggtaat ttgtccaaag tgctcttagg 420

catcacgttt aaactggaac cattatcgat gagcactttg gctacgatat ggtccataca 480

cttgactgat acgtgcaaag ccttattatg ccctctcccc tcggcggnga tttcttcttt 540

ggcgaaagcg agatagtntg tgggcatgat attgttgatc aaccct 586

<210> 5447
<211> 533

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5447

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tggcatcatt tctggcgcta aactgctgaa agttggaagc catcttctca attaaatttc 120

tagcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatatt actgagtcct tcataaaaat attggagaag aagctgctct gaaatctgat 240

ggtgagggca actggcgcat agttatttaa attgctccca gtactcatac aggctctctc 300

cactgagttg tctaatacct gagatatcct tcctgatggc tgtggtcctg gaagcaggga 360

aatttttttc taagaatact ctcttaaggt cgtcccagct cgtgatggac cttggagcaa 420

ggtaatacag ccagtccttt gccactccct ctaatgaatg aggaaaagcc ttcagaaata 480

tgtgatcctc ttggacatct ggnggtttca tggtggagca gacaatatga aat 533

<210> 5448
<211> 581
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5448

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aaaagaactt agcaattgat acatttaaaa aggttgtatg tttcttataa ttaaaagaat 120

aaaatatcat cattggttct tatacaaagg acatttataa tgttttaatt atttttttctc 180

tcctttggtt gtatatttca tacactattt ctctaaccag ccaaaagaaa ttctctctca 240

atcatttcaa attgtcttaa ttaatttctt ttatcattta aaaatggtag gactagtatg 300

agaaataaag ttatttttttt agtatttaac gtaactacgt atttaaaagt tgagactatt 360

ggttaagctg aaatgatatc atgtcagttg atttatgcac ccgatgatat aatttattct 420

ttttaatcta ccatatttta tctttatctt taaattgaaa ttaaataatn ttttaaaaga 480

atatgtcaac agttaaaaat aaattcatat tacaatttaa attattcatt gagtacaaaa 540

taatttatat attgaaatat atttattatt aaaaaattta a 581

<210> 5449
<211> 609
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5449

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aatgtgaagc tggactggtt gccaaaggtt ttaatcaagt taaaggcttt gatttttcag 180

aaacttttc tccagttgtg aagcctatta ctattaggct tattttaact ctagcaatca 240

caaatcaatg ggtgcttgct cagctagatg caaataatgc ctttcttaat ggcttgctta 300

aatgagactg tctacatgtc tcaactccct ggtttccaac aatcaaatcc ttctctggtc 360

tgtaaactaa ataaagcctt gtatgggttc aaacaagccc caagacaatg gttngagagg 420

ctgcaatctg ctctaactta gtttggtttt gtggctagta agtgtgatcc ctctctcttt 480

gttttcaaga cttcatctca ctgtgtatct tttagtttat gtggatgata tcatccttac 540

tagcaagtcc actcaatttg atcagcacct gacatctaac ctaattcaaa gtttttctta 600

aacaactcg 609

<210> 5450
<211> 450
<212> DNA
<213> Glycine max

<400> 5450

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aatgttatgt ccatttgaat ttctcgagag cttccgttgt tcaatgtgga gcgtctcgag 120

ttattatgcg cctgagtcgg accttcgagt gaaaagttat gaccatttga attgctcaag 180

agctgccatt gaccaatttc tgagcgtctc tatatattat gcgcctgacc cggacctgcg 240

tgtgaaaagt tatgaccatt tgaattgctc aagagctgac attgttctat ttacagcgtc 300

tcgatgtata atgcgcctga atcggacctc cgagtgtaaa gttgtgacca tttgaatttc 360

tcgataggtt tcattgctca gtttcgagcg tctagatata ttatgcgcct gaatctgacc 420

tccgtgtgaa aagttatgac catttgaatt 450

<210> 5451
<211> 509
<212> DNA
<213> Glycine max

<400> 5451

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gttgaaagtt atgaccattt gaatttcacg agagcttccg tggttcaatt tcaagcgtat 120

cgatatatta tgcgcctgaa tcggacctcc gagtgaaaag ttatgaccat ttgaatttct 180

cgagagcttt cgttgttcaa tatcgagcgt ctcgatatag tatgcgcctg aatcggacct 240

ctgagtgaaa agtaatgacc atttgaattg ctcaagagct ttcattgttc aatttcgagc 300

gtcttgatat attacgcgcc tgaatcggac ctcctagttg aaagatatga ccatttcaat 360

ttctcgagag ctttcgttgt tcaatatcga gcgtctcgat atattatgcg cctgaatcgg 420

acctctgagt gaaaagtaat gaccatttga atttctcgag agcttccgat ggtcaatttc 480

gagcgtctcg atatattatg cgcctgaat 509

<210> 5452
<211> 589
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5452

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tgaagcttgc tagaaaggga aacaagtaaa aagttctttc aaagtcaaaa atgttgtttc 120

cacttattgg ccgttagagc tcctccacct tgacctattt ggaccaacca atactacatc 180

cctcactgga catagacatg gtctagtcat aatgaatgat tacaccagat ggacatgggt 240

catgttccta acccacaagg atgaatcttt tgatgccttc tataaatttt ataaaagaat 300

tcaaaattaa aaagtttttt tatatttgta tctcttcaat cagaaacgac cataggggag 360

agtttgaaaa taatctttat tgaaaacttt tatgaagaga atgatattca ccataactat 420

tccactccaa gaacaccaca acaaaatgga gttattgaga aaaaaaatag acctcttcaa 480

taaatggcta gaaccatgct taacgactac tctaccccta aacgcttcta ggctgaagca 540

atanacatta cctattacat atagaaaaaa tttatatatg tcaatctta 589

<210> 5453
<211> 463
<212> DNA
<213> Glycine max

<400> 5453

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ttcatcatat tgggtgctaa gatattgttt actttagggg taggccttgg ccagattagt 120

agaagaaata gctcaatgtg gtattccaga aggttcaagg aagatcaatg gaaagtacat 180

tcattctcac cttgttgcta gattagaagg tatattggta tttgctctaa ctattactca 240

cgattagagc ctaccctata tgattaacaa gagtacttcc tagttctgga taactatgtg 300

ttaatgtttg tgtggaatat gctaataaag cttctcaaca atgtcttttt tttccaactt 360

tgccctattt gtgcccttat cagtgcaaat gcattgtttt ttcctacata gttgtaaatg 420

aacaactgaa ggaaaaaata taggatgtcg gtacgacata atc 463

<210> 5454
<211> 562
<212> DNA
<213> Glycine max

<400> 5454

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cccgacgaaa acttatcttc tccttcttgg acaaagtatg gcaggctggg ggcaagtaaa 120

ttttcttccc atcagacctt ggatgcaact gtgatcttat acccatatta gctagatctt 180

gacgggtatt caagccatcc ttcgtcttgc cttgaatgtt aaggagcgcc ccaatcacac 240

tatcacaaac atttttctcc acatgcataa catcaataca atgtctaacg tcaagatcac 300

accagtacgg aagatcaaag aaaatggacc tcttcttcca tatgcaactt tgacttttat 360

ccttcttttg ggtcttccca aatacagtat tcaggtgttc aacccgctga tatacctgct 420

caccagtcaa cggtatcggt gcaatatcat gctcttgact tccattaaaa agcttttctc 480

agtcgtctat aaggatgatt gggtgttaga aagcggtgat gcctactgta gaactatttt 540

tctccatgtt taagttgtat gt 562

<210> 5455
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5455

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atgagtgact tcaagcattt ttcatatttc ctttacactt ttccaccttg tagtatgaaa 120

gaattcatca gaagataaac cagaagttaa aatgttttta gctttttttat catcttgccc 180

ttttcttttc tcatcatctt tcatctcttc ccatttttta ggtaccaatt caccatttac 240

ttctttagtt ggtgtaaaag tacctttaac aatagcattc catgcatcgg ggtcaattga 300

ctgaataaag atttccattc tcttttgcca aaaagaaaaa tgttccgcct caaacaaagg 360

atgtcgattt aaagatgcac cctctttgaa aatgatttgt tttgagccca ctnttagaaa 420

anttgtgatc ttgagtaact tacaatatgt agctctgata ccaattgaaa aagatgatgg 480

aactcac 487

<210> 5456
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5456

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ctaagaatag tcaaacgaca ataacctttg actcggatgt ccgattgagt cccgtaggat 120

atcgagacgc tcgtaattga naacggaagc tctgagaana atcaaacgac aataactntt 180

aactcggatg tccgatcgag ccctgtaata tatcgagacg ctcgaaagtg aaaacggaag 240

ctctaagaat agtcaaacga c 261

<210> 5457
<211> 334
<212> DNA
<213> Glycine max

<400> 5457

ctcgtcttct tctatagtcc agtcttcttc tggcttcaat tcttcagtgg gctatccttc 60

tgtgtccagc atcttgtgat gttcccagac tttgatgaca gctctacagg ttctgatatc 120

caaagatttg aggaaggcca ccattcttgc tgtacaatat atatagttgc ttccatcgag 180

aattggtgga ctgatcactg gaccgccttc tttcttcatg ttcatcagaa tttatctgcc 240

tagatctcac tctgtgattt cgagtgttgg ctctgatacc aattgaaatt ctgataccag 300

cggacagatg tcgtaccgga tgtcacgaca tcac 334

<210> 5458
<211> 212
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5458

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aaagtgaaga tgtccacatg gcaactatng gctaccaaat tccaaaatct gaagatgaat 120

gaggaagagt gtattcatga cttccacatg aacattcttg aaattgccaa tgctagcact 180

ggcttgggag aaagaatgat agatgaaaag ct 212

<210> 5459
<211> 350
<212> DNA
<213> Glycine max

<400> 5459

cgcatagtat atcaagatgc gtcgaaataa acatcaaagt gcaaggcaaa ttcaaacggt 60

cataactttc gactcggaag ttcgattcag gtaaataata tatcgagtcg ctcgataatt 120

aaacaacgga aagtcacaag acatttaaat gggtgtaact tttcacctgg atgcccgatt 180

caggcgcata gtatatcgag atgctagaaa ttaaacatca gagtgcaagg cagaatcaaa 240

cggcccataa ctttgagtcg gatgtccgat tcaggccaat aatatatcga gtcgctcgaa 300

aatgaacaac ggaagctctc agctatctca tatggcataa cttttcactc 350

<210> 5460
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5460

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atgtctcgag agctagctct gttcactttc gagcgtctcg atatattatg cgcatgagtc 120

tcgaccccga gtganaagat atgtccattt gaatntctcg agagcttccg ttgttcaatg 180

tttagagtct cgatatatta tgcgcatgaa tctgacatnt gagttaatag ttatgaccag 240

gtgaattgtt tgagagctat cgatgtcaat tttgagcgtt cgattattat gcgcg 295

<210> 5461
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5461

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gcttccaatg tactaaaatc cttcacaaat cgcctataaa aacttgctag gccatgaaaa 120

cttctcacct cggtcacact tttaggtgag gccactcttg gatagcctta acctttttctt 180

catncaactn gtacccctttg gaagtcacta caaaaccaag aaacacaaca tggtctttca 240

aaaataatgc atntttcaag gttagcatac aatngttccc ttctaagcac acacaaca 298

<210> 5462
<211> 154
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5462

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accatntgaa tntctcgaga gcttccgatg tttaatttcg agcgactcga tatattatga 120

gcctgaatcg gagcctcgtg tggaaagtta tgac 154

<210> 5463
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5463

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attatttctg ggccttgtat ttagggcttc ataatgtatg gagggtaccc tagtaatgta 120

ngatgtttca gcccttgtat ttagggcacc tagaactagt tttgtattaa ggatagtttt 180

gtaatttcac atgcattaag tgtgaatata tgatgtcctt catgctttac atgtctcatg 240

acacctaagc acacttagtg gagaatcttg gactcgatct tggattagtg ggctgaacca 300

tagctganat tcactaatcg taattag 327

<210> 5464
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5464

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aactgctttg ggtcgttttg ctcgaactgg tctgctncat aagcaagcat gtttggcttc 120

acacacccac tccctaatgc caccaagtag agtgctacat agaatatcat ggccttcatg 180

ctcttggctt ctacgcactg ttctccatca gtcacattgc atggangtgg cttcaattga 240

ggaacatgag cttggactga tagcagtatg aaaccgtgga atcgtattat atatacatga 300

ctaanggctc tcgatcaatg gcaataatat attntgttag agagagagag agagagagaa 360

gagat 365

<210> 5465
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5465

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tatcaaattt gtaatgagtt ctcttggaaa aacctttttcc tgaatgaaat gacnaataaa 120

tttaatatgc atagttcatc catgaaacat catattggtg gctatatgaa gagctntgct 180

tgattgtcac aacataattt cacctattgg atgtctctaa acttcaattc ttgaaggaga 240

tatttaatcc aaacgtgtgc acaagtagct gtacacatat ncttatactc tacttctgca 300

cggtgcagta acattgtgct tttactcttc aagagacata ttcctccata ggtcacaatc 360

cccaaaacac attgtcatgg cgactgccca ctatatacaa atcttgcttg aggaatcctg 420

cctgtgctnt atttatatac ttaaggcgtg ttaagatcta tgatccaaaa tcatctatat 480

ata 483

<210> 5466
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5466

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gaacgttgtc aagaatagaa cgatcttcaa cataagttta ttggtattgg gaaatgcatt 120

tggtaaggat gtgtttaagc ccattggcta ggaccttgaa aatgaattta tagataacat 180

tgcaaaggaa taagagccca aagtttttca tagtagtggg actacatttt ttggggataa 240

ggacaatgga t 251

<210> 5467
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5467

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gtgtgagtca ttggcttgta gtntgtagaa tccttagata catcanaggg tcacctagaa 120

agggacgttg ttacactgac aggggacata gtaacattat tggatactca catgaagact 180

cggctggaga tgcangagat agacaatcca cttcaagcaa ttgtattttt gtgggttgaa 240

atcttatctc atggaagtgt aaaaag 266

<210> 5468
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5468

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aggctggggg caagtaaatt atcttcccat cagaccttgg atgcaactga gatcgtatac 120

ccatatcagc tagatcttga caggtattca agccatcctt cgtcttgcct tgaatgttaa 180

ggagcgtccc aatcacactg tcacaaacat tnttctccac atgcataaca tcaatacaat 240

gtctaacgtc aagaacacac cagtacggaa gatcagagag natggacctc ttcttacata 300

tgcaactctg 310

<210> 5469
<211> 523
<212> DNA
<213> Glycine max

<400> 5469

agcttaacaa cacttaaggt tcaatgcccc ttctaaacta tgtgttcaac taagcaatgc 60

attaaagaca tgttaattta attgaataat aaatgcgagt ctttattagg aggtgtgatt 120

aattcattta atataataaa tgggcggatt attcagggag tagttgaaga tttgatttat 180

tctagactat tacttttttgt tgaacaactg acctcaataa cttaagaggg ggtgaattaa 240

ttaaatttta aaattttccc gctaacaaat tttaaccccc ttttaaatga tacatgatag 300

actcagaatg cagaagaaga agaagaaaca atcaatttaa taatgttctt ttaaatgcgc 360

aagacaaagt aaactgcaat aaaataactg agataaggga agagagaatt gcaaaatcat 420

tttatactgg tttggccact ccccgtgcct acgtccagtc cttaaacaac ccacttgaga 480

ttttcactat ctttgtaaac tctgtacaac ttctgaacac atc 523

<210> 5470
<211> 510
<212> DNA
<213> Glycine max

<400> 5470

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atggccgatt gtgtcgcgta gtgtatcgag acgcttgaaa ttcagaacaa aagctctgag 120

caaaatcaaa caacaataac tttttacacg gatgtccgaa tgaatgccgt aatatatcga 180

gacgctcgat cttgaaaacg gaagctctga gcaaattcaa aagacaataa ctttttacta 240

ggatgtctga ttgagtcccg tagtatatcg agatgctcga cattcataac agaagctctg 300

agcaaaatga aacgacaaca acttttttact cggatgtctg attgtgtccc gtagtatatc 360

gagactctcg aaattcagaa cagacgctct gagcaaaatc aaacgacaat aacgttgtac 420

tcggatggtc cgatggatcc cgtagtgtat cgagacgctt gaaattcaga acagaagctc 480

tgagcagaat caaacgacaa taacttttta 510

<210> 5471
<211> 638
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5471

taagggacgt gaggtcttga aggaactacc tctttaggtt gtaaaactct atgaggagat 60

agaaaccttg agagataaac taggaaaatt tattggtggt catgaagccc ttaacaaaat 120

tattaaggtg caaagaaacc ctaaagacaa atttagccat gctttcaaag gcaaaaagat 180

tgtacatggt gaagaagtta ttgtttgcta tttttgtgga aaaatgggtc acaaaactca 240

taagtgcaag gatctcccta caaagggaaa cccatcaaag ggtttgtcca gtgcttacca 300

acatccacaa gcaaacaagg aaaaaggacc caaaaagatt tgggtagcta agaataaaat 360

aattcctatt acagacctnc ttgatagtag gaaagaaaca ccattgatgg tacctggaca 420

gtggctgctc gcaacacatg atagtcaaaa agtctatgtt ctgatcccta agccctatgt 480

ctagtggggt tgccactttt ggagggaata aaaaaggtcc gataactggt gtaggtaaaa 540

gttgcattcc tccctatcct tctatagata antgtttact ttgttaaagg gtgaagcata 600

atttgctaag cataaatcaa ttatgtgaca gtggatat 638

<210> 5472
<211> 634
<212> DNA
<213> Glycine max

<400> 5472

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ggatattcaa acaataccct ctcataagtt gataccacat caccatcata ttacataata 120

gcaacgactc cctccatctt caacccaata tggtgaaata tcaaaacaat gcaatgaatc 180

agaccacttg tatttattag catcttatat tgtgagtcaa ttatcaacaa caaccaagat 240

tgcacgacaa aatataagat tcaaattaca ttgagctcta caaggacatt gttggcttgt 300

cagactgtca taaatatgat tgctaaatca caatataaaa cattaagttt tacttttaa 360

aaattaaaac acttaaaaaa acacaatgaa atcataattc ctttgtatta atcaatacaa 420

cggaatcatg atttcattcc ctagtcaggg taaaaataaa ataaccaaac aaaatcatac 480

tcttgttaca aatttgtgaa tgttatcaat aatacaacaa aatcatgatt ccattatgtt 540

atttaacaat ataaaaaaat aacaataaaa atatgattat ggtgtacaag catttaacaa 600

aaacatattt tcattattaa ttttttttcac ccca 634

<210> 5473
<211> 559
<212> DNA
<213> Glycine max

<400> 5473

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tgattggatt tgagaaagat tgattagaaa agtgtatatt gaaaagcaaa tcaaagcctt 120

gctgttatag actcttcatg tatggccaaa aggaccattt acagaaggta tcacttttag 180

aaaaacttaa aacaaatttg aaaaagtcac aaacctttg aagagttaca tcttttgatt 240

tattcagaaa caatcactgg taatcgatta ccaaattagt gtaatcgatt acacaaggct 300

tttatgcgaa aggatgtgac tcttcacatt tgaatttgaa tttcaacgtt caagggcact 360

agtaatcgat tacgaaaaca ttgtaatcga ttacaacttt ttgaaattaa ttggaatgtt 420

gtaaattcag tttgaaaact ttttgaaatc cattttgcta ctggtaatca attacaataa 480

tctggtaatc gattaccaaa gagtaaaaac tatttggtaa acatgttttg agaaaaatcc 540

atgtgctact cagtttttt 559

<210> 5474
<211> 507
<212> DNA
<213> Glycine max

<400> 5474

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ttttaacccc agttgatgag atataagatg aatctaactg tagttctttt atcactgttt 120

ttcaataaac tttgcctcaa aaaataaaat acaaggatca cctaattaca agctttctaa 180

attctaatta ctgattttta ggtttattta ccttttttta atctaaatta aaaatgttaa 240

tctctatttt ttataattaa aaaaactttg agatcccttt cactgatgtt atctatgact 300

ctatgtgttg atgctatcac ttggcaaagg aagaaattaa gagtaatcga atacacagaa 360

gagtttatga ggtgctatct aaggctgcta gctcaaatcc aaaacacgct ggcttgaatg 420

aacgcgagct ctattttgtc ttcttttgta agccaaatag ttttcaagag atgaaaagag 480

cttggcatgt gtctgatgtg cactttg 507

<210> 5475
<211> 489
<212> DNA
<213> Glycine max

<400> 5475

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cagttccatt tcgtgttcct gtaactttcc aaatagtgta gcaagagaca tgttagttaa 120

atctcgtgac tcagtaatgg ctgttacctt aggtgtccat tctctgctta aacatctcaa 180

tactttattt atgagatctt catttggaaa atttttccct aaagatgcaa gatgatttat 240

tatatgtgta aacctttttt tgcatgtctt gtatactttc atttgaattc attctaaata 300

attcatactc atgagttaat gtatttattc tagatctttt cacatctgtt gcgccctcat 360

gtgttacttg tagggtatcc cacatttttt ttgcactttt acaatttgat accctaaagt 420

actcatccat tcctaaggca gatgtaatta tatttttgac ttttaagttt gattgcacta 480

atctctttt 489

<210> 5476
<211> 588
<212> DNA
<213> Glycine max

<400> 5476

agcttatgct gcaaatattt acaatagacc tcctcaacct cagcagcaaa atcaaccaca 60

gcagaacaat tatgacctct ccagcaacag atacaaccct ggatggagga atcaccctaa 120

tctcagatgg tctagccctc agcaacaaca atagcagcct gctcctttct tccaaaatgt 180

tgttggccca agcagaccgt acattcctcc accaatccaa caacagcaac agccccagaa 240

acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300

tatgcagaac atgcagtttc aacaagagac cagagcttcc atttagagct tgactaatca 360

gataggacaa ttagctacac aattgaatca acaaaagtcc cagaattctg acaagctacc 420

ttctcaagct gtccaaaatc ccaaaaatgt cagtgccatt tcattgacgt cgggaaagca 480

gtgtcaagga cctcaacccg tagcaccttc ctcatctgca aatgaacctg ccaaacttca 540

ctctacttca aaaaaggtga agacaaaatt tacctacaat ttctgaca 588

<210> 5477
<211> 520
<212> DNA
<213> Glycine max

<400> 5477

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ttttatcaaa tcttatctta tccagatttt attctatcta gattttattt catctcatct 120

catcttatct tatctaaatt ttatttttatt tcatttatgg gttgggactt aaaatagatt 180

tgtaagcttt ggggctgagg acttatatat caacacaaag gttttagttt agggagcttt 240

tttcagagag gagaataatt ctaggatgtt agaatttcag tttttattac tgttcatgca 300

cattgttcac gtagaataaa attcattttt tgcaaatcat ctttgatcca tacatttgtt 360

catattatgc tgtttttatt ttctttggat atactttgcg ctttaacgac ttggaatcaa 420

tatgattttg gttatcaatt atttttggat ttgtcattac ttatacgaaa ttttataagt 480

ttctttttta ggtaggattt cactaggtgt taaaataatg 520

<210> 5478
<211> 508
<212> DNA
<213> Glycine max

<400> 5478

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gagtctaatg ccattcttcc aaggaaggat tttttagatg atatttcaga ttccttagaa 120

gatacacata ttcatggaaa taactctaaa gaaaaagatg aaggaagcaa tgaagattct 180

caagataatg gggctagagg aaataatgaa cttccaagag aatggaaagc ctcaagagat 240

catcccctcg acaacattat tggtgatata tcaaaagggg taacaactag acattctctt 300

aaagatttat gcaataatat ggcttttgta tctatgattg aacctaaaaa tataaaagaa 360

gccatattag atgataactg gataattacc atgcaagaag aactgaatca atttgaaaga 420

cataatgtgt gaaaactagt acaaaaacct gaaaattatc ctgtcatagg aacaaaaagg 480

gtttttagaa ataaattaga tgaacatg 508

<210> 5479
<211> 433
<212> DNA
<213> Glycine max

<400> 5479

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tgtcatcatc tttgaatgta tcaaaactgc ttgaatcaac cttgattcat catcatgaag 120

cttgcttcta caatagatag catggctcat tggtgtagcc atgtgcttag cattttccat 180

gccgaatcta tgaataaact gtttgcggta cttatattga ttgacaaaaa ttctagtctt 240

ggtatgttta atttgtctat caagacaaaa attatatact cgcataatgg acatatcaaa 300

ctgactttgc atgtcatgag agaagtcctt gcacaataat tcatgagtaa atctacaaat 360

aatatcatca cacatatata tgaaccaaga aaacatcatg taatgttctc tttatgaaaa 420

gagtaatatc tac 433

<210> 5480
<211> 544
<212> DNA
<213> Glycine max

<400> 5480

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gccgacattg gaggttttgg cttaaccatg ttaatcacca cctttgctgt gaagggcatt 120

aaccgtgtcc atgctgtggg atggatttgt gccattttta acattgcagt gtttgctgct 180

cccttaagca taatggtaca ttctatattc aattattcac ataatataga tcttgcatag 240

tttgatatgc aatctgaaat atgtaaaatc tgtacattaa ttgcagagga gggtcataaa 300

aaccaaaagt gtagagttca tgccattttc attgtcctta tttcttacgc tctgcgccac 360

catgtggttt ttctatggtt tcttcgacaa ggatgacttc attatggtga ggaataacac 420

ttctatatct attactcatt ctactcattt tctcttgaaa gcaaactgat tagtgttttg 480

ttttgtggat tatcagtttc ccatgtgtta agatttattt ttggcatctc tcaaatgatt 540

ttat 544

<210> 5481
<211> 639
<212> DNA
<213> Glycine max

<400> 5481

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tctacttttt cacgtgagat aaggtttttt ataacatcag tttgataatt tttaatgatt 120

ttaaaaaatt gatctgtatt tttatagttt gaaaattatt tttaatcctg tattttgtaa 180

ttaaaataat tttaaaaaat caaaatcaaa attcatacaa aatatgaaat aagcaatgat 240

ttacgaaata tctaacgtat gctggaaaac atcggcgaca gaaaaaatct gaaaaataaa 300

taacaaggat aacatttttt ccccgcaaaa aagcacttta tagtcagatg tagtttcaat 360

attttaaata ataacattct cacatttaaa aataaaataa aaattagaga atctcgtatc 420

ttttcgtagt tatttatcca aatagtttta ctttagaata tataaaataa tcttatagct 480

atttttatac taccctccta tcatatatac atgcatatct aagtatattt attaatttta 540

ataataatct taaaaatcac ttatcaataa ttttataaat taattagtac agggatgttt 600

acattagtaa tttttaatat tagattaaaa ttttaaaaa 639

<210> 5482
<211> 477
<212> DNA
<213> Glycine max

<400> 5482

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taagtatatt caccaggaaa aaattgtagt ggaaggaaat tgtaatgttg tgattcaaaa 120

gatccttcca cccaagcata aagaccttgg gagtgtaact attccttgtt caattagaga 180

agtcactgtg ggaaaagctc tgattgactt gggagccagc attaatttaa tgtcattctc 240

catgtgcaga aggttgggag agttggagac catgcccact aagatgactt tacaactggg 300

tgaccgctcc attaccagac catatggagt aattaaagat gtgctggtca gagtgaaaca 360

ttttatcttc ccgacagact gtgtggcaat ggatatctgt gaagatactg acattcctgt 420

catattggga aggccattca tgttaactgc aaactgcata tttgatatgg gtagaaa 477

<210> 5483
<211> 434
<212> DNA
<213> Glycine max

<400> 5483

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taatgttact tccttcacta aagcggcgat ccatctccac acatatttta tcaatagcaa 120

cataaaaaat ctctgcacgg taatgatgaa gattagtgat agtcctccct tctgctcttg 180

aacgaccccg aactggtatt tcgtcatcca tatttggtac tagaatactt ttagcaacac 240

aaaatccttg gacatcggca aaaaaattat tccagccact ctctctcatt gtgcccaacc 300

gagctttgac aacatcaact aattccatgg cattcacaat attaagatct tttctttgca 360

atatatttga aagctcgttt gtgataccaa acaactttaa cattaacctc aaaataaaag 420

caaatttaaa gctc 434

<210> 5484
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5484

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ggtgaaaaat aatgtggcat ttacctaggg tgaaaaacaa gagcaagcct ttgctttgct 120

caaagaaaag cttactaagg cacctgttct aactcttcct gacttttcta aaacttttga 180

gctagaatgt gatgcctctg gagtgggagt tggagctgta ttgttacaag gtgggcaccc 240

tattgcttat tttagtgaaa aacttcatag tgccaccctc aactacccca cctatgataa 300

agagctctat gccttaataa gagccctcca aacttgggaa cattaccttg tttccaagga 360

atttgtcatt catagtgatc atcaatcact taagtacatt agagggcaaa gcaagttaaa 420

caaaaggcat gcaacatggg tagagtacct anagcaattt ccctatgtta ttaaatacaa 480

aaagggaaa 489

<210> 5485
<211> 546
<212> DNA
<213> Glycine max

<400> 5485

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cctctctaat agctaagctc acctccttga gataagaagc tagagcttag ctacacaccc 120

cctataatag ttaagctcac tcttatgccc aaaaacatga aaatacaaaa aagtccctac 180

tacaaagact actaaaaatg ccccgaaata caagactaaa accctatact actagaatgg 240

ccaaaataca aggcccaaac aaaggaaaaa actattctaa tatttacaaa gataagcgag 300

ctcatactta gcccatgagc ttgaaatcta ccctaaggct catgagaacc ctaagacctt 360

cccttggatc tctggcccaa tctacttgga gtcttctatc caatgcccct gcggtgtaag 420

attgcatcat gataaaccaa cttcttaaag catttatgtg agtcaagtgg agttttaaaa 480

tgtttcacaa agaaatgccc aagttatatt ggacaaagaa tatatagagt atctctcaac 540

agaaca 546

<210> 5486
<211> 532
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5486

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gcatagttag gaagtttagc atgtaaaatc acaaatggtg acttggcttt cagaatgggg 180

ctatgggtcc tgttcatcaa gaaaactgca gttttgacac attcacccca aaattttaat 240

ggtaaataag attgaaacag caaggcacga acaacattta aaatatgaag tgtttccttt 300

ctacaacatt gnttttctgt gggcgctcca cacaggaaaa ttggtgtagg acacatttct 360

tcaaaaagaa atctgaaaag gcaagctctt ttgcattgtc agatctgaat cttttgatgg 420

tggttttaaa ttgagtttcc acatatgaaa aaatttgtgg tacaataagg agacaatcag 480

attatttata aaaaagtata tccaatgaac ctacttttat catctactaa ag 532

<210> 5487
<211> 469
<212> DNA
<213> Glycine max

<400> 5487

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tcccttcctt gagcatgtca gctatcatta attacttcaa tctgatcctt ccggctgtga 240

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agtaaacagt tccgcaatgg catgcgtatg ctgcattctt ctcaggtgat taaattgagc 420

ctgttgtcat agagagggta tctcaccatg caaggtgata aattgatta 469

<210> 5488
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5488

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tcattcaatg ctagatccat ctaagatgcc tagatcattc cttataaaga agaacctatc 180

tctagcaagt ggtttagtga atatatttgc tagttgatgc tcactatcaa tgaaatcaat 240

gcaacaatca ccttttgaaa catgatctct aagaaaatga tgtcttatct caatatgttt 300

ggttttagaa tgcatgacaa gatttttggt taaattgatc gcacttgtgt tgtcacattg 360

taagggaatg tgatcaagga ttacattccc ttagaatgca tgacaagagg cctttatgag 420

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gttctttcac tttggttttt atc 503

<210> 5489
<211> 438
<212> DNA
<213> Glycine max

<400> 5489

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ttcaccttgc tgcaaaactc tgtgtgtatg acatagcttt ctgctgtttt tgttgttgtt 180

gttcttgctt gttcttcatc acttccataa tagataactt tctacctgtt tcatttgtcg 240

atgaggagtt ggataaactg ttttcaactg atttatcatc acgtgcacaa aacaagaaaa 300

ctgagatata caccagaatt ctttccatcc ttaataatgg tgtagttatt ggtgataaga 360

agtttgaatt tctagcattc tcatcaagtc agttgcggga aaactctctc tgaattgttg 420

ctcctacaac aactggat 438

<210> 5490
<211> 630
<212> DNA
<213> Glycine max

<400> 5490

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aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360

ctctagaaac attacaagaa catttttatt ggcctcatat gaaaaaggat gtgcagaaat 420

tttgtgaaca ttgcattgta tgtaaaaagg caaagtctaa ggtaaaacct catggattgt 480

atactccatt gccaattccg gagtattctt ggatgaatta ttcaatgaat tttgtttggg 540

gctgccaaaa acaaccaagg gtaaaaattc catttttgtg gtgctgaaaa ggttttctaa 600

aaagcttaat ttatttcatg taaaaaaaat 630

<210> 5491
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5491

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aagttctcca attatttaaa aacattacaa ttaaactaac ggaaataatg gaaaatgata 120

ccatcgtaat agttttaaat aattgacgat tcaattaaat atttttaaac aaacttttta 180

attgaatttt taattataat taaaaaatca attgtatagt taaacttttt tctatcacct 240

tagatatcat atttgtcact cttataatat ttataatatt tatgcagatg cttgagtaat 300

tatgatgttg gttttcaatt aaaattaaaa tttgactaan atatgtttgt gataactgat 360

gaaatctaaa tttgtgggta ttccttaata ttttttcttt gttttgctct atgaggatat 420

cactaataat ttttatttta 440

<210> 5492
<211> 563
<212> DNA
<213> Glycine max

<400> 5492

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actatgcaca tgataatatc tttctcaaac tcttcttaag ccaaaactga gaactctttg 120

ttattggtct cttctgagat ttcaaagttc ctccttgcac acactatctc tagcaaaaca 180

accataactg taaacatcag attttgaagt tactgaaaga tttgggagcc attctggagc 240

tacataccct ttggttcctc tcatatttaa cacggtttgg tacctgtcat ccttgggagt 300

tatgagcttt acaaggttga aatacgagag tttggcctcg aaatcctagt ccaagagaac 360

attttcaggt tttatgttga catatgcagt tatgacactc ttcatgaata tacatgatag 420

ttgacacccc cttgcgacgt ggtgaggggg cgtggtcgag tcccacatcg aataaaaata 480

gtgccgagat acactatatt agtggggagt aattctcacc ttacaagttg ggtttgtagg 540

attaagctaa actcatgaaa aat 563

<210> 5493
<211> 515
<212> DNA
<213> Glycine max

<400> 5493

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agcagtgtac actgcttcag tccagaatgt gttaggtagt cccttctcct tgagcatcga 120

tctagctatt tccataactg tgcgattctt tctctcggac actccatttt gttgaggaga 180

atatgcgact ataagttgtc gctctatgcc ttcatcctca caaaatattt caaactcgcg 240

agaggtgtac tctttgccgc gatcacttct tagtactttt atctattttc cactttgatt 300

ttcagcaacg gccttcaact ttttgaatac tccaaagact tctgattttt cttttagaaa 360

atatacccat gttattctaa agaagtcatt attgaagagt atgaagtacc agttgttctc 420

atgtgatggc agccttattg gtccacagac gttcgtatgt atcagctgcc atagatcttt 480

cgctctccat gctccgcttg ttgaaaaagg aaatc 515

<210> 5494
<211> 485
<212> DNA
<213> Glycine max

<400> 5494

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agataggaca aaggtaatgg aggaaggccc ctagatgatc tttgatcact acctaacaat 120

tcatacttgg gcccaggatt ttatctccgc ggcgacaaag attgatgaaa ccctagtgtg 180

ggttcgattt cctggccttg acctttttact atgatgaaag cattctcttg gctctggcaa 240

cgaccattgg caatccaatt agtgttaatt caaataccct acacataaga catggaaggg 300

ttgcgagagt ttgtgtgcaa attgatttgg acaaacctgt tgtggggaaa aattggctaa 360

agggtcactg gcatagagta gaatatgaaa gtttatacca cagctgtgcc tcatgtggtc 420

ggaatggtca tttggctcga aactgcccta cttcattaca tgtagacacc catcattctt 480

cttcg 485

<210> 5495
<211> 527
<212> DNA
<213> Glycine max

<400> 5495

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tttgagctgg tttctggatt gagaattaat tttgctaaaa gcaaatttgg agttgttggt 180

caatctgagg agtggtgtct tcatgctgca aactatctta actgtgcttt ggttcaattt 240

cctttatgtt atttaggaat tctgattgtt gtcaatccca aaagaagggt ggtgtgggat 300

cctgtaatta ggaaatttga agataggctg aataggtgga ataagagaaa catatccatg 360

gctggcagac tcactcttat taaggctgtc ttaacagcac tacctttgtt ttacttaact 420

tttttcaggg cccctaaaac agtcattaat aaggttatct tccattcaaa gacaattttt 480

gtggggaggt taaccagaag agaagaagat tgcctgggta tcttgga 527

<210> 5496
<211> 345
<212> DNA
<213> Glycine max

<400> 5496

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ataatctacc tcagtgcaac tattatgact ctctccagca acagatactg ccctggatgg 120

aggaatcatc ctaccctgcg agggaccctc tatccactgc atcaacgggt gtctgttact 180

tacatacaaa atgctggagg cccaagctta ccatacattc cttcaccgaa acagcgctac 240

aacaacccca taaacaacca acagttgaag cctctccaca cccttctatg gaataacttg 300

cgaggccaat gactatgcac aacatgtaat tttagcacag agacc 345

<210> 5497
<211> 487
<212> DNA
<213> Glycine max

<400> 5497

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cttgaatgac cattattttc aatgcggaaa gtattatgtt cttcactatc catgttcaca 120

cattattgct gcttgtggtt acgtgaacat gaattacttc caatatgtag atgttgttta 180

cacaaatgag cacatcctaa aagcttattc cgcgcaatgg tggcctcttg ggaatgaagc 240

ggttattcct ccttctgatg agcaatggac acttatccct gatccaagta caattcgtgc 300

gaaaggtcgg ccaaaatcaa caaggataag gaatgagatg gattggctgg aaccatctga 360

gcaccgacaa aaatgtagta gatgtggaag agaaggacac aacagacgtc gatgtccaat 420

gcaatctgaa tgtggaagtt gtaaaataat tgaattatgt attttggttg cctacttgaa 480

tgaaatg 487

<210> 5498
<211> 535
<212> DNA
<213> Glycine max

<400> 5498

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tggaaaagta aaagtgtgaa agaattaatt gattgaaaat gcaaaacaaa gccttgcttt 120

tatagactct tcatgtctgg tcaagaagac catttagaag aggtataact tttagaaaaa 180

ctttaaaacc aatttgaaaa agtcaaaaac cttttgaaga gttacatctt ttgatttatt 240

cagaaacagt cgctggtaat caattaccaa ataagtgtaa tcgattacac aaagctttta 300

tgtgataaga tgtgactctt cacatttgaa tttgaatttc aacgttcaaa ggtactggta 360

atcgattacc aaaacattgt aatcgattac aacttttga aaataattgg aacgttgtaa 420

attcaatttg aaaacttttt caaaacaatt ttgctactgg taatcgatta caacaatctg 480

gtaatcgatt actagagagt aaaaactctt tggtaaaggt ttttgttaga caagt 535

<210> 5499

<211> 313
<212> DNA
<213> Glycine max

<400> 5499

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tcaactttat cagagagaaa tcagacacct ttgaagtatt caaagagttg agtctaagac 120

ttcaaagaga aaaagactgt cgtcccaaga gaaccacgag tgaccatggc agatagttcg 180

aaaaccgcaa gtttactgaa ctctgcacat ctgaaggcat cactcatgag ttctttgcag 240

ccattacacc acaacaaaat ggcataggtg aaaggaaaaa caggactttg caggaagctg 300

ctagggtcat gct 313

<210> 5500
<211> 545
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5500

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gcctcctatt tttaatgggg agggttacca ctactggaaa actcgaatgc aaatttttcat 120

tgaggcaata gacttaaaca tttgagaagc catagaagtt ggaccttatg tacccaccat 180

ggtggctggt aatacaacaa tagagaaaca tagagaagag tggtctgaag aagaaagaag 240

attagtacaa tacaatttaa aggctaaaaa catcattact tctgccttag gaatggatga 300

atattttagg gtgtcaaatt gtaagagtgc taaggatatg tgggacactc tacaagttac 360

acatgaggga acaactgatg tcaaaagatc taggataaat actctaactc atgagtatga 420

attatttagg atgaagacaa atganagttt acaagatata caaaaaagat tcacacatat 480

agttaaccat cttgattcat tangaagaac ttttcaaaat gaagatctta taaataaagt 540

atttt 545

<210> 5501
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5501

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gcaagttgaa agccttggag gaaagaggta tgcctatgtt gctgtggatg atttctccag 120

atttacctgn gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180

gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaattagga gtgaccatgg 240

cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcactcatga 300

gttctttgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa acaggacttt 360

gcaggaagct gctatggtca tgcttcatgc caaagaactt ccctataatc tctgggctga 420

agccatgaac acaacatgct atatccacaa cagagtcaca cttataagag ggactccgac 480

cacactgtat gaaatctgga aagggaggaa gccaactgtc aagcacttcc acatcttttg 540

aagtccatgt tacattttg 559

<210> 5502
<211> 385
<212> DNA
<213> Glycine max

<400> 5502

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gcatgtgctc atccttggag gagagatgtc tgcctatgtt gctctggatg atttctgatt 120

agtgacctga ctcgactatc tcttagataa gctttacgcc tttgtcatat gcttcgagtt 180

gcatatctaa ctcaaattag aaatatactg tgtcatcgct agaattacag agtgaccatg 240

gcagacagct cgaacacact taggacactg aatcctgcac atgtagtgca tcactcatga 300

gctcgctgcc tccttggcag atcaagagcc tgtttttggc tatctgcata acactactgt 360

gccagactgt gcttcggtgg tacgg 385

<210> 5503
<211> 568
<212> DNA
<213> Glycine max

<400> 5503

tgaccgagga taggaattcc tacccttacc ctaggaagaa agatcagaag aatctccaca 60

gaagaaaagg aaagaaaaga gaaagagaga atcacacaat ctaagattgg aggaaagcat 120

acgaaaaata gaaaaagaaa taacgaacaa tatgaaaaga ttctttggat cagacactgt 180

ctgaacaatg tgcagaattg tcaaaatgaa taagaaaagc ggggcttaca aaaatttgtt 240

tgaaacctga gggatgcctg aagtattcac ctccatgctt gttccatgct gaaccaaaga 300

gaaaagagag atagaccgac aagggaaagg ccagaacacc caaaagccca aatttcccac 360

caaagttcaa cttgctaaaa agtcccattg atccatgttt tcacatgtta tctttgattt 420

gataggaaat gatttgcaaa gtcaagtcat gacatatttg tggttcggaa ttatgatgaa 480

acactttctt gtgtgagatt tatacactct gagtggttct cctctatttc agttggaccc 540

agagtttctt ctaaatgctc attttgaa 568

<210> 5504
<211> 507
<212> DNA
<213> Glycine max

<400> 5504

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gtcagcagag gagcacaaac cacaaaccct tgctacaagt acaaatttct gattcaaggc 120

cagctgggtt accaagttaa ccaatgcatc cagtttgcct tcaagcttct tagtttcata 180

tgatgcagat gggtttgtag ctacctcatg cactcctcta atgactatgg catcatttct 240

ggcgctaaac tgctgggagt tggaagccat cttctcaatt aaatttctgg ctttagcagg 300

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gagtccttca taaaaatatt ggagaagaag ctgttctgaa atctgatggt gggggcaact 420

ggcacatagt ttcttaaatc tctcccaata ctcatacagg ctctctccac tgagttgtct 480

aatacctgag atatccttcc tgatggc 507

<210> 5505
<211> 475
<212> DNA
<213> Glycine max

<400> 5505

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tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattt cgacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300

gtgaagctta cattgaatcc ttcatcacac aactgactga tgctgatcaa gtttgcagtc 360

cgtcccttca ccagcagtac tttgttcaga ctaagaagtc catcatggac tagctttccc 420

attccagaga tcttttcttt agagccatct ccaaatgtca cataactagt ggagc 475

<210> 5506
<211> 498
<212> DNA
<213> Glycine max

<400> 5506

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ttgttcaatt tcgagcatct cgatatatta taagcctaaa tcggacattc gtgtgaaaag 120

ttatgaccat ttgaatttct caagagcttc cgttgttcaa tttcgagcct ctcgacatct 180

tatatgcccg aatcgaacat ccgtgtgaaa agttatgacc atttgaattt ctcgagagct 240

tccgatgttt aatttcgagc gtatcgatat attataagcc ttaatcgaac ctcaatgtaa 300

aaagttatga ccattttaat ttcccgggag cctccgttgt tcattttcga gcgtctgtat 360

atatgatgcg ccttaatcta acatccgtgt gaaaagttat gaccatttga atattctcaa 420

gagcttccat tgttcaattg caagcctctt tacatattat gcgccggaat cgggacctcc 480

gagtgaaaaa ttatgacc 498

<210> 5507
<211> 565
<212> DNA
<213> Glycine max

<400> 5507

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tgtaacaatt tattccatac catgggactt aatattatgt attgggtacg tagtaaaaat 180

tatatatata tgcaaattgt tgtattacat cttattaata gttactatgt tagtgataat 240

taacactaac aagtatttat ctttaaaaaa aaagtctaat taaatcacgc acagacagta 300

catgtacagt caagtcaagg tgcttttcaa attaacctgc caacttgaat tatttattta 360

tgatctagtt aaaagtaata tatttattta tgctgagaat aaaagattat ttaaaaaatg 420

agtagccgct actagtctag tcaaaatttt caagttattg ccacctgaat gcagtcaaac 480

atcatgatgt tacactcgac taattaataa gaaagagagt gataatgtca attagtaaaa 540

caattaacaa ggttgtttta aattc 565

<210> 5508
<211> 480
<212> DNA
<213> Glycine max

<400> 5508

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tctgcgagcc ttaaaaagaa cctagacaga ggcattagtc taccattcaa cttctgaact 120

tctctgacgt tagtaagact atgcatttct agtatcgttg cgcacttggc agggttagct 180

tctatttcgc gatgggtaat gatgaagccc aaaaaatttt cgtggccaac cctaaaggtg 240

catttttga ggttaagggt cttgacatac ttgttaatct ctatgaacac ctcttccaag 300

tctgccacat gttgtgctac actgtgagac ttaacgacca tgtcatccac atatacctcg 360

acattttgtc ctaagggcat gaccctataa cagacgtgag tgagttgaga atgaatactt 420

accgagattt ggagtacact gatgtagtga agatggactc cacaatcttc ccccttggat 480

<210> 5509
<211> 525
<212> DNA
<213> Glycine max

<400> 5509

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ctctctctct tctgtcaaat caaacatggg gttctagaaa cccagcacca agtcttgggt 120

tgaataacat ggtaaatttc cacgggacgc ccatgacaca gcctgctgca tcatctcatg 180

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actgttcgcc cgaggggtc cctgatctag gtctcggtca gatttcgcag cctctcagta 300

gccaacttca cggtgagctg gacctgtccc aacaaggcag gagacattat atggatctag 360

aacagtccag ggcatatgaa tctgctcatt ggtcacttta atgcacttgt ttttgttttt 420

gtttttttgt caggtttgta ataaaatgta gcacaaacct gtgcctactt ggttactgac 480

cagattgatg ataactattt cttgttttgg tttgttcaaa ctgat 525

<210> 5510
<211> 539
<212> DNA
<213> Glycine max

<400> 5510

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tcaagtaagt caagaatcta atttcgtcta ttaagaaaga gacctttatt agaaactgcc 120

atttcaattc ccataaagta gtttaagcgg ccaaggtcct tgataggaaa acagatagca 180

aagcgtgttt gagttgagaa ataacatgat tactatttcc aacaataata aggtcatcat 240

cgtaaacgag aactaccact tgtttcattt aagacatcac aaacaaataa agaagaatct 300

gcattacttc ttaagaaatc acctcttgaa gaataatact taatttcaca tgccaagcac 360

attaagattg tttcaaacca taaattgatt tgtatagttg gcaaacgcag gaagaatttg 420

aacttttttgg atgtcctggg ggtcattcca tatagacttc ttcttcaaga tccccgtgta 480

agaaagcatt tttacatcca tttggctcat tgaccatcca taattaacaa caatatatg 539

<210> 5511
<211> 495
<212> DNA
<213> Glycine max

<400> 5511

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tactacgaga cacaatcgga cattcaagta aaaagttatt cctgtgtgaa tttgctacaa 180

gcttccattt tcaatttcaa gcgtctagtt atattacggg acacaatcgg acatccgagt 240

agaaagttat tgacgattga gtttgcttat agcatgtgtt gtcaattctg agcgtctcta 300

tatatgacgg gactcgatcc gacgtccgag ataaaagtta ttgtcgctag aatttgctcc 360

agagcttcta ttttcaattt ctagcgtctc gaaatattag agcactcaat cggacatctt 420

agttaaaaga tattgacggt ttaatttgct acgagctact attttccagt atgagcgatt 480

tgatatatta cggga 495

<210> 5512
<211> 502
<212> DNA
<213> Glycine max

<400> 5512

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gtatatagag acgctcgtat ttgaaaacag aaactcgtag caaatacaaa cgacaataac 120

tttttactcg gatgtccgat tgtgtcttgt agtatatcga gacgctcgta attgaaaaca 180

gatgctcgta gcaaattcaa atgacaataa ctatttactc ggatgtctga ttgtgtcccg 240

tattatatcg agacgctcgt aattgaaaac agaaggttgt tgcaaattca agcgacaata 300

acttttttact ccaatgttcg attgtgtccc gtagtgtatc gggacgctcg tacttgaaaa 360

cagaggctcg tagcaaatct ctacgacaat aacttttttac tcagatgtcc gattgagtgc 420

tctaatatat cgagacactc gaaattgaaa acagaagctc tgagcaaaat ccaacggaca 480

ttacttttat ctctgatggc cg 502

<210> 5513
<211> 396
<212> DNA
<213> Glycine max

<400> 5513

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gagctttcaa gttaggtgtt ctaaagcttg catgcaggat ggtagctgaa aatagcaaga 180

aaaattaact caaaagcaaa ttcatagttg ctaaaaatat ttaaaagatt aaaatttctc 240

agtatgcaac gtaccaagaa gaccaatagc aagagcccat aaaactgtca ggagaccagc 300

agaaacaaac caaagaaaga aacttgctgc agaaaaatgg ggaaagaatc actggaatca 360

aaaaatattg gactgggtag cagggatgac agaaca 396

<210> 5514
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5514

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gagagtttgg gattaatacg tcgggccacc gtgagctgtc tatgagggtg caacttaatg 120

aacacccaat ccccctccgc aaaagacaca gcacgacgat gtttgtctac tgccttcttc 180

atggattgtt gggcacggtg cagatgagct ttcaattggc gaatagcctc gtctctatcg 240

aacaatacca aggctactaa atccacggat gtctcacctg tcaaaaaacg acgcacagat 300

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gtattgtacc attattcaac ccatgaaagc caaagatgcc atttatt 407

<210> 5515
<211> 351
<212> DNA
<213> Glycine max

<400> 5515

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gtcataagtg ccatcgaacc caaggctttg aacgatcatc gcttcattct cgtggcaata 120

gattatttca ccaaatgggt tgaagcggct tcctacacca atgtcatgag gagtgtagtg 180

gtcagattca taaagaggga gctgatttgt cggtatggac tccctatgaa gatcattact 240

aacaatggca ccaatctgaa taacaagatg acgtaggaaa tgtgtgcgga tttcaaaatc 300

caacatcaca attccacgcc ctaccgacca aagatgaacg gagccatgga g 351

<210> 5516
<211> 436
<212> DNA
<213> Glycine max

<400> 5516

agcttcatga catgcctaag ttgattgtca atgattgtta tcgtgtattt aacaaccgct 60

tttggtgaga tctctttcat ttacaaggca taacactcgc ttttagtagc acctatcatc 120

cttattccaa tggagagact ggggtgacca atcatatcct acaaagttaa aagctttcta 180

cgaaactcct tcaactactc caccttcatt aacgacccac gtcactgaaa ctattatgcc 240

tttggtgcct tctgccatcc tagagagcca catgcttcgt cttggccgtg gctacattga 300

tcaagtgttg attcaatggg aagggctttc acctacgaca gctacttgag aggacaagaa 360

ggctttttgc gacaactatc cttactttaa ccttgaggac aaggttgttg aaaaaggagg 420

gggtattgat atgggt 436

<210> 5517
<211> 404
<212> DNA
<213> Glycine max

<400> 5517

agcttataat atattattac actcgaaatt ttcatcatat tctctcgaga aattcaaatg 60

gtcataactt ttcacccgga tgtccgatta tggcgaatca catatcgaga cgctcaaaat 120

tgaacaacgg aagctcttga gaaattctaa tggtcataac tttcaactcg gatgtccgat 180

tcaagcgcat cacatataga ggcgctcgaa aagtgacaac ggaagctctt gagaaattca 240

aatggtcata actttccaca ctgatgtccg attaaggatt ataatatatc aagacgctcg 300

acattaaaca tcgtaagctc tcgagaaatt caattggaca ttacttttca cacggatgtc 360

cgattcgggc gcttaatttg acgacacgct cgatattgaa caac 404

<210> 5518
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5518

gacactatga atctcagctt ggaaaccagc catcanatgc tatacgaaat tagattggaa 60

tagagtacaa tggcngcatg acggaccgtg cagaaccggg ttgtggagta aactcaatgt 120

cctcccttca aggtagaagt gatccagatg cctacctgga ctgggaaatg aagactgagc 180

acgtatttgc ctgcaatgac tacactgatg cgcagaaagt caagctagca gcagctgaat 240

tctccgacta tgcccttgtt tggtggcata aataccaaag agaaatgttg agagaggaac 300

ggcgagaggt agatacatgg actgagatga aaagggtgat gagaaacaag tatgtgccca 360

ctagctataa cagaaccatg cgacagaaac tcctatggct gtcccaaggg aatttaaccg 420

tggaagaata ttataaagag atggaaatgg cg 452

<210> 5519
<211> 208
<212> DNA
<213> Glycine max

<400> 5519

agcttgtagg ccttggatct tcttcatcaa tggagtcatt tgattcttga agatcaatgg 60

caacagaatg gagaaggagg aaaggtgatt ggaaacgcca cttcaaggag aagatgagtc 120

aagaacaagc tcaccatcat aggaagtcat ggataagagt ttgaaggtag gagaaaatga 180

gtggatggaa agagagaggc gggggggtt 208

<210> 5520
<211> 428
<212> DNA
<213> Glycine max

<400> 5520

agctaaatgt tgacatcctg cccctcatta tttgtaacat atgaaaatga cttttggcat 60

gagtatattg tttctctaaa atatggtgct ctcgtgaatg atttattttt ccttgctaaa 120

gcatgttcgc ctttttaggt gaaaaaacca ggtggaccat tcggtcctgc caacaaatct 180

tatccggagt cccatgaatt gattgtcatt catgcgacct ccaccatcaa gtctggagcc 240

ccacgaattg attgcctagc gctgttcgtc tatcctccac cctcaaatct tattcggaga 300

cccatgaatt gattgtcatt catgcaccct ccaccatcga gtctggagcc ccatgaattg 360

attgcctagc gatgttcgtc tatcctccac cctcaaatct tattcggagc cccatgacat 420

gattgtca 428

<210> 5521
<211> 428
<212> DNA
<213> Glycine max

<400> 5521

agcttgtagg gttaaagtct cattattgtt atgtgctcat gcaacaattg ttagccgtgg 60

ctatacgaga catcttgcca aacaaagtca ggttaacgat aactcaccta tgctttttct 120

tccattctat atgtagcaaa gtcattgatc cagtcatatt tgatgagttg gaaaatgagg 180

ccgcaattat actgtgccag ttggagatgt atttcccccc tgctttcttt gacatcatga 240

ttcacttgat tgttcatctg gtcagagaag cagaagaagc cattgaattt tgttcagaat 300

acttagagaa ggctaaacct gttgggcttc ctgagtctcg gcatgatgac agagtgggtg 360

gtaagggttc aagaggactg caggtgatca ctccaagtgt agaagaattg tacaagctca 420

cttgtatg 428

<210> 5522
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5522

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tcttgccaaa caaagtcagg ttagccataa ctcacctgtg ctttntcttc catgccatat 120

gtagcaaagt cgttgatcct gtcaagtttg atgagctgga aaataaggcc acaattatac 180

tgtgccagtt ggagatatat attccccctg ctttctttga catcatgact cacttgattg 240

tgcatctggt caaagaaatc gaatgttgtg gtcttgttta tctgcggtgg atgtacccgg 300

ttgagtgata catgaagatc ttaaaagggt atacaaagaa tctatatcgt ctagaagcat 360

ctattgttga gaggtacatt gcagaaaagc cattgaattt tg 402

<210> 5523
<211> 397
<212> DNA
<213> Glycine max

<400> 5523

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ctctccaatc tcttccttct ttgacccgcc tatatttgtc aaactgcaca ctccctcact 120

ataatgaacc atccttgctc aacttctcat ctctgcaaac tctccatctt tccgttacta 180

gttattcccc tgccatttct tttgtcccca agtggatatt caaattgaag aaacttgttt 240

ctcttcaatt accgggtaat gaaatccaag gtccgattcc tggtggtatt cgaaacctca 300

cacttcttca aaatcttgac ttgtctgaaa attcattctc atcttctata cctgattgct 360

tatacggtct tcatcgtctc aagtctttgg acctaag 397

<210> 5524
<211> 332
<212> DNA
<213> Glycine max

<400> 5524

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acatccgagt aaaaagttat tgtcgttaga atttgctcag accttccgct ttcaatttca 120

agcgtctcga tactttacgg aattcattcg gacatccgag ttaaaagata ttgtggtttg 180

catttgcttt gagcttccat tttcaatttc aagtgtctcg atttattaca ggactcaatc 240

agacatttga gtttaaagtt aatgtcgctg aatttttac gagttttccg tttaattaca 300

tgcattctga tatataactg gactcattgg ga 332

<210> 5525
<211> 426
<212> DNA
<213> Glycine max

<400> 5525

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gtatatcgag acgctcgtta ttgaaaacag atgctcttag acaattcata cgacaataaa 120

tttttactca aatgttcgat tgtgtcttgt aatatatcga gacgctcaaa attgaaaacg 180

aaagctcgta gcaaaatgca accacattaa cttttaactc ggatttccga ttaagtcccg 240

taatatatcg tgacgctcga aattgaaaac ataagctctt agaaaatttt aacgacgata 300

acttttttact cggatgtccg attggaaccc gtaatatatc gagactcttc aaattgaaaa 360

cagaagctcc tatcaaattc aaactacaat aacttttttac tccgatgtcc gattgtgttc 420

cgaagt 426

<210> 5526
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5526

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gtgaaaagtt atgaccattt gaattgctca agagcttaca gtggtcaatt actagcgagt 120

agatatatta tgcgccagaa tcggacctcc tagtgaaaag ttatgaccat ttgaatttct 180

tgagagcttt cgttgttcaa tttcgagcgt ttcgatatat tatgcgcctg aatcggatct 240

ccgagtgaaa agctatgacc atttgaattt ctcgagagct tctgttgttc aatttcgagc 300

gtctggatat aatatgcgaa tgaatcggat ctctgagtga aaagatatga ccatntgaat 360

ttctcgagaa gcttcgttgc tgaattttaa gcgtcttgat ataatatgcg cctgaatca 419

<210> 5527
<211> 461
<212> DNA
<213> Glycine max

<400> 5527

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tccagaaggg aattctatca atagacctcc aatctttaat ggagagggtt accactactg 120

gaaaacccaa atgtaaattt ttattgaggc aatagatcta aatatctggg aagccataga 180

aatagggcct tatataccca ccacagtaaa aagagttaca atagatggta gatcatcaag 240

tgaaagcata actatagaaa aacctagaga cagatggtct gaagaggata gaaaacgagt 300

acaatacaac ttaaaagcca aaaacataat aacatctgcc ctgtgaatgg atgaatattt 360

cagggtttca aattgtaaga gtgctaagga aatgtgggac actcttcgat taacacatga 420

aggaactaca gatgttaaaa gatctaggat aaatgcacta a 461

<210> 5528
<211> 373
<212> DNA
<213> Glycine max

<400> 5528

agcttgcctt gccccttgat atacttgtgg ttacttatgg ccactatgaa tgacaaaatc 60

cttgggataa aggtagtgtt gtcatgtttt caaagaccgt actaaggcat acaaatcctt 120

atcataagat gaatagataa aggcaggacc acttaacttt tcactaatat aaccaaattg 180

gatggccgtt ttgcaacaac acaaccctca tcccaacatt ggaagcatca cactcatatt 240

tcaaagattt gggaaagttt ggcaacgcaa cgtatggggg cattagttag catttgctta 300

agaacattga aagctccttc ttggatctct tcccatgtga aaccaacatt tttcttgagc 360

acttcattga gag 373

<210> 5529
<211> 429
<212> DNA
<213> Glycine max

<400> 5529

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gccttgtcca cctctatttc ccttattgaa atcttatgcc ccaacactat tccttcttga 120

accatgaaat ggcatttcac ccaattgaga actagattgg actcttcaca tcactgtaat 180

actctttcaa gattggataa gcacccttca aaagatggcc caaaaatagg gaaatcgtcc 240

atgaaaactt caatgcattt ttccaccata taaaaaaaaa tagccatcat acatctctga 300

aatgtagcta gggcattgca cagaccaaaa ggcatgcgcc gatatgcaaa tacaccaaaa 360

aggcaggtga aagcagtctt ctcttgatct ttgggatcta caacaatcta attatagcca 420

gaatatcca 429

<210> 5530
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5530

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tagtggataa tacagttgat ccctgcttct tgcatatcca tgtgactaag tttccttcta 120

tcaaaaggca acttccactt gtacttttttc tttctacttt atcactaaca tagtccgcat 180

cacaatagct tatgagcctg aaactttccc ttcttttgaa caaatgacca agggtaggag 240

ttccaattaa atatctaaat atacatgtaa ctgcaattaa atgaacttcc cttggttcct 300

cttagaatat agcacataag caaactntga acgttatatc atgcctaaac gtagtaagat 360

actgtagtga gccgatcatt gctctgtact gggtcccgtc caccttcgtt gattcctcgt 420

tc 422

<210> 5531
<211> 441
<212> DNA
<213> Glycine max

<400> 5531

gcgctcgaga aacattaata gaattatatt tgtctatatt tcaagtacac atttaacatt 60

tttttctcta aaattaaact taatgggctt ctagagcaaa agagagtttt tcaacttcaa 120

ccaaataaag aaacttcaaa gcattgttct ttgtttgtgg taactttaat tacaaagcat 180

acacatatat aattaatttt caattaagaa aaatcaaatt acctcttcaa acaatgtaac 240

ataaaagata aaacaaacca caaaaaataa tcatgaaagg aagagataaa tttatttcca 300

accacacata tcaaatattc atttaatgaa tgtgaaatta caaaactacc cctaatacaa 360

aaactagtct aggtgcccta aaatacaagg gctgaaaaat cctacatttc tagggtacct 420

tacctatatt atggatccct a 441

<210> 5532
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5532

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aatctgcacc tgtcaccaga ctctgtggtt tatgctcctc tgccgaccac cacacagacc 120

tttgcccttc tgtgcaacaa tctgaagcaa ttgaacaacc tgaagcttat gttgcaaaca 180

tctacaatag acctcttcaa cctcagcagc agaatcaacc acaacagaac aattatgacc 240

tctccagcaa caggtacaat cccgggtgga ggaatcatcc caaccttaga tggtcgaatc 300

cttcacaaca gcagcaacaa caaaaacagc cttattttca gaatgctgct ggcccaagca 360

aaccatacgt tcctccacca atccagcagc aacaacaaca acaacaatag ccccggaaac 420

atcaaaca 428

<210> 5533
<211> 434
<212> DNA
<213> Glycine max

<400> 5533

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gctctgctcg acttacataa aagtctgact tacgagccta tttaaaagct tgcttaaaga 120

cgtcttttat taattaatta ttttaaaacc tagtgaaata ctaactaaaa aaagaaactt 180

ataaaatttc gtataaataa tgtacaaatc taaaaataat tgataaacaa aattatattg 240

aattcaagtc gttaaagcac aaagtatata aaaaaaataa aaatagcata atattaaaaa 300

atgtatggat tagagatgat ttacactaat atagccaaac aaaaattatt attagttaaa 360

ttaacaattt ttaatccaat ttttttaata tataactata ttatatagtt ttaaaaaaaa 420

tatatccaca ataa 434

<210> 5534
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5534

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ttctcaagga agttacctag tctataaata aaagcatgtg taacacttgt tataactttg 120

atgaatgaga gtcttgtaag acacaactca cagttcaact tctctccctt tgtcttcctt 180

caatttcgtg ctccctcctc tctttctttt agcaaatgct caccccccc tctaaaattt 240

aattggattg ggcttctccc aattcaatta aatttatttt caaccacaca catcaaatat 300

tcacttaatg catgccaaat tagaaaacta cccctaatac aaaagactag tctatgtgcc 360

ctaaaataca agagatgana aatcttacat ctctagggta ccttaactat attgtggagc 420

ccaaatacaa tgcccaaaat aatgaaacct t 451

<210> 5535
<211> 257
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5535

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aaaaagttat tgccgttcga atttgcaacg agtttgtttt ttcaatttgg agcatctttt 120

tatattacgg gactcaatag gacatccgag tataaagtta ttgttgtttg aatttgctca 180

gagctatgga acttactttc cagtgtctcc atatattacc gaatttaatc aaacattcna 240

ctataaaacc attgccc 257

<210> 5536
<211> 436
<212> DNA
<213> Glycine max

<400> 5536

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tcattgttat catttccctt tccatcattg tgggtgctac ttgagctgcc agatccctct 120

acctttgggc gtattctttg aaagattcat gtgccctctt acacatggtc tgaaactgca 180

ttcttttcgg agccatatct gaatagtgct gatattgcct aacaaaggca gccattaggt 240

ccttccacga atggactcgg gaaggttcca gattactata ctaggtgatg gctgccccag 300

ctagactatc ctggaagaaa tgcatagaaa agtgttgatc tttttcgtat gccttcattt 360

tcctgtagta catcttcaag tgattcttgg cgcaagtagt ccctttgtac ttattgaaat 420

ctggcacctt gaactt 436

<210> 5537
<211> 398
<212> DNA
<213> Glycine max

<400> 5537

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cttgattaat aacccacata ctacaatgta taaaattctc aaaaataaat attatccaga 120

tgtcggattc tatgatgcaa aactagggca tgaaccaagc tatacgtcgt atagcatttt 180

tgcttcacat atattggtcg aggaaagcat atagtgcaaa aaaagtgatg gtagctctat 240

aaacgtttgg actcaacctt gggttcgagc atcaacaagc ccatatatca cgtgatcaac 300

cctgctcgat cttgatgatc tcatagtcag ttcactcatc gacaaccaac aacgatgttg 360

gcgtcaagat gtgctacaac aatatttcaa tgacaacg 398

<210> 5538
<211> 411
<212> DNA
<213> Glycine max

<400> 5538

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tgcaccgata tcgttaactg gtcaacaggt tcttgagcga gttgagggca tcaatgttgt 120

atttggaaag acccaaaaag gaaaaaagta aaacttctat atagaagaaa aggtcgatat 180

tgtttgatct tccatattgg tccgatctag atgtcagaca ttgtatttat gttatgcatg 240

tcgagaaaaa tgtttgtgat agtgtcatcg acacacttgt taacattcaa ggaaagacaa 300

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caaggtatga tggtaacaaa atatacttgc ctccaacttg tcatactttg t 411

<210> 5539
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5539

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tataatattt acatgtctta tgttaatatt ggataaccat gggttgttag aattgtgaac 120

tgactaatac gtggcatatt atctgacttt gggcatccat atctgtactt atataataca 180

gatctctttg ctcattaaaa aacaaaatac taatctatta aatttttctg catattcgaa 240

taataaattc aatttttca ttttcacaa actaatttat tagtgtctca tatttccagg 300

aagtaaaata aagatttatc ttatgagcaa atatttgatt ttagtaaaat tagtaagatt 360

taaattttaa ttctattgca tctgcacgtt ataattatta ctactcttct actaatttta 420

ccaccataag tttttgttta 440

<210> 5540
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5540

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tttcaaagaa aaccggcctc accgtgataa aaatatgaga aggaggagct aattcctact 120

cgagtgcaga acagttggag agtatgcatc gactatagga ggctgaacca ggttaccaaa 180

aatgaccatt gtgcactgtc attcattgac caaatgcttg aacacctggc agataaatct 240

cactattgcn tccatgatgg gttttctggt tatatgcaaa tcactattgc ttctgaggat 300

caggaaaaga ccacattcac cggccccttc ggcgctattg cctataagat gatgcctttc 360

ggcctgtgta atgtccctgg ttccttccag cgatgcatga tgagtatttt 410

<210> 5541
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5541

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gtcctgtcac atctatcatg agcaacattc aacaagtcca agcaaagttt gcacttgtta 180

gtttcgacta tcatagtcaa gatattaact gcatcttctg tagtgtgaac cttccatagc 240

aaaacctggc tagatgtgag taactccctg atcttgtgaa acatcacatc aatatgattg 300

gttctcgaat gatacaactg agtctttgta gatcaatagt attctatcta ttgcaatgca 360

actgaacaac aactggctca atgcccaact cattcactaa ccctttctaa ccaca 415

<210> 5542
<211> 248
<212> DNA
<213> Glycine max

<400> 5542

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cctgtgagga ccgctttaca ggttctgcta tccagggatt cgaggaatgc caccatactc 120

gctttccaat attcacagat gcttccatcg agaagagcgg gtctgctcac tggaccgact 180

tctatctcca ggctcagcag agattgactc cctatatatc actctgggaa tccgagtggt 240

ggctctga 248

<210> 5543
<211> 299
<212> DNA
<213> Glycine max

<400> 5543

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aaagtttgaa ccattcgaat ttctggacag cttccgttgt tcaatttcga gcgtctcgat 120

gtattatgta ccaaaatcgg acatttgtgt gaaaagttat gaccattcaa atatgttgag 180

agcttccatt gttcaatttc gagcgtctag atgagttatg tccgcgaatc ggacatccta 240

tgaaaaggta tgaccattcc aatttctcga gaaccttctt tggtcaattt cgaacctct 299

<210> 5544
<211> 460
<212> DNA
<213> Glycine max

<400> 5544

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caattcttca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120

gacagctttc caggttctgc tatccagtga tttgaggaag gccaccattc ttgctttcca 180

atattcatag ttgcttccat cgagaattgg tggtctgttc actggtccgc cttctttctc 240

catgttcatc agaatttatc tccctagatc tcactctgtg atttcgagtg ttggctctga 300

taccaattga aattctgata ccaggggaca gatgtcgtac aggatgtcac gacatcacgc 360

ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtaa ataacacaag 420

agaattgttt acccagttcg gtgctacctc acctacatct 460

<210> 5545
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5545

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ttaaaaataa attttgccaa aagctctttt ggtggctttg gtagggatga ccagtggagg 120

caaatggcag ctacctatct taattgcagt cagttagctc tccctttttt tttatcttgg 180

tatacccatt ggggccaacc cgaggcaagc tcatgtgtgg gaacctatta tccaaaaata 240

tgagaggaga taagctaggt ggaagaagag atatatctct tttgggggga gtgtggttcc 300

tatccaatca gtccttactt ctcttcctat ntattatttn tctttnttca gggttccccg 360

tatggtggct aacaaattaa tcagaattca gagaagctnt ctttggggag gaggtcatga 420

caacaacaag aatgcttgga tatcat 446

<210> 5546
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5546

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gtagccccac tgtatgaatt attgcatgaa taagaacgaa acttatagtg agatttaagg 120

ctttcaaaat atgaattact atatatgaaa agaagttaaa atatctttgt attcaataac 180

aatttgattg tttgaaaatt gatgactgca ataccatgca tgactacgga ataatttctc 240

caaaataaga aataaaataa ctaaaaaaaa ggctgaaaag gtcttcatta aaggctntgc 300

acaatgcaca ttaattaatg aaataataat agaatacggt aagagtgagg actctacctg 360

gaggattgtt aaggtattta gagtaccact tgatacagga cttctacttt ggcacanata 420

ctttatcccg ctcaagagaa accagtgtgg agt 453

<210> 5547
<211> 463

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5547

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gctagagctt agctacacac cccctataat agctaagctc acccccatga caaaaaacat 120

gaaaatacaa aaaaaagtcc ttactacaaa gactactcaa aatgccccga aatacaaggc 180

taaaacccta tactactaga atggccaaaa tacaaggccc agacgaagga aatacctatt 240

ctaatattta caaagataag tgggctcata cttagcccat gggcttgaaa tctaccctaa 300

ggctcatgag aaccctaggg tcttcccttg gatctctagc caatctactt ggagtcttct 360

acccaatgcc cttgcggggt aggatngcat caganagggc acccttcaaa gacggtcctc 420

caaccgatgt cggtattcaa cgacactggt gtaccaccac acg 463

<210> 5548
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5548

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gtacggccag tttatgtttt aactattaac agcattaaca gcttcacttg atatttaaca 120

gtttcacttg ataaaattta aatatttaat ttttaactaa tgttttgcta ctcgtgtaaa 180

ccttgcagtg atcctaactt gcactttgtg gagtctcctg catcggctcc accagaagtt 240

taaattgatt ttgctgcaca acaacagtaa gctatcttcc ttgacctaaa ttaattcttt 300

ctatagtagg ataaaaacat agattgtaga aattcatagt tgcatttgaa gataaaaagt 360

aaacataaat ccttcttcac aaacataaac ccttctttag tatattcata aatcatnata 420

taacaaattt gatttctcat tttttaaaaa gaaattattt ctaca 465

<210> 5549
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5549

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tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300

gtgaagttta cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc 360

agtcccttca ccagcagtac tttgtccagt ctaggaagtc catcatgaac tagctttccc 420

attccagtga tctttccttt agaaccatct ncanatgtca cat 463

<210> 5550
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5550

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taagaagtgc aaaaaagatt attagttata aattctacaa aattttatac gtcatttgga 120

tgttattatt tagatttagt cttatatgcc taatttatct cctggagcta tttctttttt 180

ttttttagag ttctacaaca catttattct ctatttactt catacactaa acaatggaaa 240

tttttgcaag ataatgtatg aaaattttct attaaatcat tatctcanac ttgatgggag 300

agtagaattg aaagtgtcaa accaatataa ctttaagcac catagataag agatgtttgc 360

ttcattatca aatatagtga agatcctaat anaaagtgaa gcctatgtta acaactatag 420

aataaaattt gaattt 436

<210> 5551
<211> 413
<212> DNA
<213> Glycine max

<400> 5551

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ctgctgccat tcacagtctc tgtcctcttt gtggctggat ccttcaatac cacaactcca 120

tgtggaatga cttcatttaa gatgaatgat ctggaccact tagattttag cttccctgga 180

aacaatctca atctagaatt aaataacaaa acctgttgtc caagcagaaa ttttttatca 240

aaagcttttt atcatgacaa actttaactc tttgcatata aagcttggaa ttctcataat 300

cttgaaacct taattcctcc aattcatgaa gttggagctt cctatgttca ccagctctgt 360

ttagataaaa attcaaaaac ttcgatgccg agtaggttgt gtgctccaac aca 413

<210> 5552
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5552

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cgtatacgaa tagaaacaaa agagagacaa aacagtcaat gttgagttga gccatcgaca 120

actctcgtgc aagcacaagg aggagtagcc cgatgcttgt gagtgacacg gataagtgca 180

cttattattt ataaaataat agagaaaaat aaaaagttcg gcgaatagac cgatttgaat 240

cgaacactca acaccggcgt ggcgtttccg tatgtttttg atcaatagaa caggaagagg 300

aggaaaaaaa agcttatgat gagcatctat ttgagtcgat catttccaag atctaattcc 360

agtttattct tatgtagtgg aaaggcctta caatctgaag ttntacgctt aggggaagaa 420

atgttcttgg tggatgcagg acctgngacc cccagaattt gtatg 465

<210> 5553
<211> 432
<212> DNA
<213> Glycine max

<400> 5553

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tcatgaagga tttgcttaca aacaatagaa taattatgga tgatgaaaca ttggagctag 120

aggcaggttg tagtgcaatt attcataaat ccattctata gaaatctcga gatcctagta 180

gtttcacaat tcctgtgact attagaagat tattaatagg aaaggcagtt ctttatttag 240

gtgcaagtat caacctaatg cccttgtcca tgatcaagcg gataggagaa gtagacatta 300

taccaacaag gatgactctg cagtttgcta acagaactat caagcattct tatggcatta 360

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atatgaagac aa 432

<210> 5554
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5554

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tgaacctgat gggtattaga aaatattttt taagatattt tgggaaaagg ttggagatga 120

tgtttggaga tttgttagag aagcgattca gaaggtatgt ttgatgtgta ggctgctaag 180

actattattg tcctaattcc taaaggtgat tctcaaaaaa catttagagt gtgtttggat 240

agagaatttt aacaaaggaa agtaatttat cagagaatct aaatttttct aatctagaat 300

tcattgtttg gatgtttttt ttatgaagaa tttaaattnt tggaatttta aaacggaatt 360

tcaaacaact aanaatgtga aatttcaatt ctcttctaaa aagtgagaaa ttaagattat 420

cttcttatag aagaatcttc taaaatg 447

<210> 5555
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5555

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atacccactc ccttttttgca taacatatcg ccttatgaga aacttcatgg acacccacgt 120

gacatatcta atcttcgcgt gtttggctgc ttgtgttata tcaacactct taaagcacat 180

tgtcaaaagc tcgatcccag agcgcatcca tgcatcttca ttggttttaa aacgcatact 240

aagggatatt tagtctacga ttttcattcg catagcatca attgttcacg aaacgtcgta 300

ttttatgaga atcatttccc acatttccct gaaacatcat ctttgaaatc cacttttact 360

attccaactc cggagtcatt ctccagcgac caatatgaac caccagttga tattatcatt 420

actatacgca gaacccanaa cggtcctact caagatgagc cttct 465

<210> 5556
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5556

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tacgtccagt ccttaagcaa cccacttgag attttccact ctctttgtaa aactcctttt 120

acaaagtctg aaccacacag ggacaaccct tcccttgtgt tcaggaatcc tctacaacaa 180

gagacccatg gtctcttaat ccctttttcag aaataagaag aagagaagaa gaaatctctc 240

ttaaaagaga tagattgtac aatgaagatc aatcaaaaat tccttattga atatgcaagt 300

ggttgaccaa ggaatctttt tgagaggata agacatttta gttcagaana actcttaatc 360

tttggagagg ataaaacttt ttgggcaata aaaactctct ttaaattcga gtttccgagt 420

cacatataaa tagacccttg atggccattc ataaaccatt tgaata 466

<210> 5557
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5557

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tatgtttata tatatgatgt tataattgtg catgatctgt caaagaaaat atgatgtttc 120

tacttgcatg atgtgttata atatatgatg tttatatata tttcgaattt tgttgttaat 180

aaaactgttt aattagaaac tgtataattt ttttgtttaa taaaactgtt taattttgca 240

tgatctgttt aataaaactg tttataaaac tgtttatata taatatatga tgttaacatt 300

nttaaaactg tttataaaac agtttagtta gaaaaaatgt taaaactaga gaaaaaaaat 360

gtataataaa actgttatat ttaaaactgt ttcattagag taaaacattt tttctttgtt 420

tttatttcga aatttaatac atatgttata tagaatgata tatgttgatg atgatgttgg 480

atgt 484

<210> 5558
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5558

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tagtcaattg cttaggcatg agtattttat tgcccagaaa atttagagaa gattaattag 120

taatatatag tcaggaatat aaattaaaat gttacaacta tcttcactac cttaacttca 180

agagcaccag ctaggcctta ctatattcaa aagaaaaggt taaaactgtg aaaggcaatc 240

taatcacaaa ctaacctgtc tgatgacatc attaagacca gggcagagcc ctccacaagt 300

aacaattgct gcctttactt cttctggctt aaagtatatc ttttcacgag gcccagctcg 360

atgaacccta aaaggatttc agaactactt agcatatatg ttaatattag gaaacagcat 420

tctatacaac acaaagatgt actanaaata ttgaaaccat aaactagaag 470

<210> 5559
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5559

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gatatcttaa gaaggggggag ggggggttga attaaaatat tacaaattat ttccccaatt 120

aaaaattcta tttaactttc tattcaagtt acaaattccc ttaataatga atttcttaaa 180

taatgattca aatagaacaa tttgaatatg aatataaaac aataataaat aaatgagttt 240

aagggaagag aaaatgcaaa ctcatattta tactggttcg gccacaccct tgagcctacg 300

tccagtccac aagcaacccg cttgtgagtg ccactatcta gtaaatntcc tttacaagtt 360

ctaaacacac aaggacaatc ctt 383

<210> 5560
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5560

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tatatcgaga cactcaaaat tgaaaaacag aagctcacga gaaattcaaa tgggtataac 120

ttttcactcg gatgtctgat tcacgcgcat aatatatcga gaccctcgaa attgaacagg 180

gaagctctcg gcaaatccaa acgaccataa catttgactc gaatgtatca tcgacgccca 240

cgatatttcg agacgctcaa aattgaaaaa cggaagctct tgagaaattc aaatggctat 300

aacttttcac tcgaatgtcc gattcacacg cataagatat cgagaccctt gaaattgagc 360

atggaagctc ttggcaaatt caaacgaata taacttntga ctcgaatgta tgatcgatgc 420

cgattatata tcgngacgct c 441

<210> 5561
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5561

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aaatttattg tcgtttggat tggctcaaag attcaacatt caatttcgag cgtctcaata 120

tattacggga ctcattcaga catccgagta aaaagttatt gtcgtgtgaa ttagcttaga 180

gcttcaacaa tcaatttcga gcgtctcgtt atatcacggg actcaatcag acatccgagt 240

aaaaagttat tgtcgtttga attggctcag agcttccaca ttcaatttcg agcgtctcaa 300

tatattacgg gcctcaatca gacatccgag taaaaagata ttgtcgtttg aattggctta 360

gagcttcaac attcaatttc gagcgtctcg atttgtgacn agagtcaatc agacatccga 420

gtaaaaagt 429

<210> 5562
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5562

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atatatcgag acgctcgaaa ttgaatgttg aagatctgag ccaattcagg cgacaatatc 120

tttttactcg gatgtctgat tgagtccttt aatataacga gacgctcgaa attgaatgtt 180

gaacctctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

taatatatcg agacgctcga aattgaatgt tgaatctctg agccaatcca aacgacaata 300

aatttttact cggatgtctg attgagtccc gcaatattac gagacgctca aaattgaatg 360

ttgaagctct gagccaattc atacgacaat atacttttac tcggatgtct gattgagtcc 420

cgtcatatat cgagacgctc 440

<210> 5563
<211> 331
<212> DNA
<213> Glycine max

<400> 5563

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ggaagttttt gaatggccat cataggcctt taaagacttt ggatacgaaa ttccttagag 120

gttttctgaa taacattttc ttatcctctc aaaaccaaat tgtcttatca ttctcaaaat 180

attccttggt caaaacactt gcaaattcaa taaggaatct tgatcgatct tcaattgcaa 240

tatccttctc ttaaagagag aaaattcttc ttcttcttat tcaaacagat ctgtttaaga 300

gaccgagagt ctcctcatat gtaacgatat t 331

<210> 5564
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5564

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agttacatga tattctcaat tcccaactac ttccgttgat atgatttttt tttttaatat 120

gatatatcta attgaagcct aacatttcaa aattaaaata tatcaccaca gttaacaaat 180

ttgttattaa ttntaatttc atgtcattaa attaagatat gatctcatat tngatcataa 240

acccagttag attgatattt ttttccagta tgatgtaccg gattgcaagt tataaaatta 300

aagtaacatt ccgttaaata tattgatttt atatgtatta ttatttggag ggatttcata 360

tttatntaat aattcaaggt tataacaata ataaatttta tccancatca ttcaactgat 420

tgaggtaact cttgttaaaa aattgattta tatatttatt att 463

<210> 5565
<211> 466
<212> DNA
<213> Glycine max

<400> 5565

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ttccaaccaa gactgtctca aagacacctt ttgagttatt caagggttgg aaaccaagtt 120

tgcaacatat acgcgtttgg ggatgcccgt ctgaagtaag aatttataat ccacaagaga 180

agaaactaga ccctaagact attactgggt atttcattgg atatgctaaa aggtctaaag 240

ggtataggtt ctattgtcca tcccacaaca ctaggattgt ggaatcaagg aatgcaaagt 300

ttcttgaaaa tgacttgatc agtgggagtg atcaatttca gaacatttct tctgaaaggg 360

atcactatga agctgaacct tctgggacaa gtaataggtt ggtagtcatt cccacccctc 420

aagttaaaat gggtggtaga caaccagtga ttgaagttca caagct 466

<210> 5566
<211> 421
<212> DNA
<213> Glycine max

<400> 5566

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ataacttacg aaggggtgaa ttaattttcc actaacaaaa ttttaacacc cttttaaaag 120

agataggctc aaaatgtaga agaagcaaca atgaatttaa taatgttctt taaacatgaa 180

agacacaatt gattgcaaca aaataaataa gataagggaa gagagaatgc aaacacagtt 240

ttatactggt ttggcaaaat ctgtgcctac gtctagtact caagcaactc acttgagatt 300

ttcctttctc tttgtaaatt cctttacaac tgttgaacca cacacgaaca acccatccct 360

tgtgttcagg aatgcttaca acttaagaga ccctctgtcc cttaatgaat ctctttgtat 420

a 421

<210> 5567
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5567

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tatcattgtg gatataccgg ttcttctttg tcagcatgtc ttttaaaaat ttggcataga 180

gtggcatctg ttgaagagct tctccaaaag gcaaagtgat ctctagcttc ttgaagatgt 240

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ttctacttct tctt 434

<210> 5568
<211> 356
<212> DNA
<213> Glycine max

<400> 5568

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atattatacg cctgaatcgg acctccgagt gaaacattat gaccatttga attgctcaag 180

agcttccatt gttcaatatc gagcgactcg atttattatg cgccggaatc ggaccttcta 240

gtgaaaagtt atgaccatgt gaatttctcg agagcttccg ttgttcaatt tcgagtgtct 300

cgatatatta tgcgcctgaa tctgacttcc gcgtgaaaac gtttgaccat atgaat 356

<210> 5569
<211> 409
<212> DNA
<213> Glycine max

<400> 5569

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tatatcgaga cgttcgaaat tgaacaatgg aagctcttga gcaattcaaa tgatcataac 120

ttttcactag gatgttcgat tcaggcacat aatatatcga gacgctcgaa attgaacaac 180

ggaagctctc gagaaattca aatggtcata acttttcaca cggaggtcag attcaggcgc 240

acaatatatc gagacgttcg aaattgaaca atggaagctc ttcagcaatt taaatggtca 300

taacttttca ctcggatgtc cgattcaggc gcataatata tcgagacgct cgaaattgaa 360

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<210> 5570
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5570

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aaaagcttac taaggcacat gttctagctc ttcctgactt ttctaaaact tttgagctag 180

aatgtgatgc ctctggagtg ggagttggag ctatattgtt aaaaggtggg caccctattg 240

cttattttag tgaaaaactt catagtgcca ccctcaacta ccccacctat gataaagagc 300

tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgnttcc aaggaatttg 360

tcatttatag tgatcatcaa tcacttaagt acattaggtg gaaaaacaag ttaaacaagt 420

ggcatgcaaa atg 433

<210> 5571
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5571

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aacttgaaga caaaatgaag gtatggcaag agttttggaa tatttgttca tgattattct 180

tgatgggtga ccatatcaaa tggttgtttt gtgttatttg tcttcaggga actgttgttg 240

agggaaccat acaaaaatta tttgaagggc accatatgaa ttacatagaa tgcatcaatg 300

tagactacaa atcaactaga aaggagtcat tttatggtac ttccttatgc attttgaatt 360

caattatatg ttttgttctt ccttgttatg tatttctaat ttagttttgc atatgcatgt 420

tagaccttca gcttgat 437

<210> 5572
<211> 459
<212> DNA
<213> Glycine max

<400> 5572

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cctctaatgc caccatcctc ttcttcataa agaagcgtga tggcactaga aaaccactga 180

gcgccactac gctgaacttt ctcctcatcg gtagggacac atcgttggtg gcgctaagct 240

ggttcttctg actcttcatg aaccacccca tcgtggaaga aaagatcctc gcagagctaa 300

cgttggtgct tacttccact catggcggcg accgacgaca ctggatggag gaggcaatgg 360

acttcgaaga agcagagaaa cttgtttagt taaaagcagt gttagccgaa acgctacgtg 420

ataataagtt ttatgttaaa taataaaata attttaaaa 459

<210> 5573
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5573

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gttacgggac tcaatcagac atccgagaaa aaagttattg tcgattgaat tagctcagaa 180

gttcaacatt caatttcgag cgtctcgata tgttacggga ctcaatcata cattcgagaa 240

aaaattattg ccgttgaatt tgacacaggt taacattcaa tttccagcgc tcgatatgta 300

cggggctcaa tagacatccg agtaaaagta ttgtcgttga ttgctcaaga ttcacattaa 360

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ca 422

<210> 5574
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5574

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taaaaagtta ttgttatttg aatttgttca cagcttctgt attcaatttt gagcgtcttg 120

atatattttg ggactcaatc ggacatccgt gttaaaagtt attgtcgttt gcatttgcta 180

cgagcttccg ttttcaatta cgagcgtctc gatatattac gaaactcaat ccaacctccg 240

agttaaaagt tattgtcgtt agcatttgct acgagcttcc gttttcaatt acgagcgtct 300

ctatatatta cgggacttaa tccaacctcc gagataaaag ttattgtcat tagaatttgc 360

tacgagcttt cgttttcagg ttctagtgtc ttgatatatt acgggactta atcgaacatt 420

cgagttaaaa gata 434

<210> 5575
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5575

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caatctcttt aactccacaa agctatntct gaaatatgct gaagatgaaa ttgtacggat 120

gaaagcagat gagagataag ccttgtacct tcgaaaagaa gttactgaat actttcatgg 180

gaatgccaca aaggaagaag cccaccctct cataatttc atgattagaa cagacttttt 240

gaatatctcg gatctagtgt gcaaagaagt ggaaaagatg catgatagaa ttgttggtgg 300

ttctggcaga tccttccaaa tacctcctaa tgcatcatta cctgttgcta acatgtacaa 360

tcatcgacag caagatagaa gctcatatga cgaaagctca tct 403

<210> 5576

<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5576

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ttttgagcta attcaatcga caataaaatt tttctcggat gtctggttga gtcccgtagc 120

atatctagac gctcgaaatt gaatgttgaa cctcttagct aattcaaacg acaataactc 180

ttttcacgga tgtctgattg agtcccgtaa catatcgaga cgctcgaaat tgaatgtnga 240

agctctgagc caattcaaac aaccataact tttntctcgg atgtctgatt gagttccgta 300

atata 305

<210> 5577
<211> 434
<212> DNA
<213> Glycine max

<400> 5577

agcttaaaca ttcaatttcg agcgtctcga ttatttttgg actcaatcaa acatccgaga 60

aaaaagttat tgtcgtttga atttgcacag aggttaaaca ttcaatttcg agcgtctcgt 120

tatataacgg gaatcaatca gatatccgag taaaaagtta ttgtcgtttg aattggctga 180

gagcttcaac attcactttc gagcgtctcg atatgttacg ggactcaatc agacatccga 240

gtaaaaactt attgtcgttt gaattggctc agagattcca cattcaattt cgagcgtctc 300

gatatgttac gggactcaat tagacatccg agtaaaaagt tattgtcgtt tgaattggct 360

caaagcttct acattcaatt tcgagcgtct cgatatgtta cgggactcaa tgagacatcc 420

cagtaaaaag ttat 434

<210> 5578
<211> 431
<212> DNA
<213> Glycine max

<400> 5578

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gagcaagaaa tgaagagcca atggttgata catggacgga gatgaataag atcatgagga 120

agcggtatgt gccggctagt tactcaattg acttgaaatt caagctccaa aaactaaccc 180

aaggcaacaa gggggttgag gagtatttca aggaaatgga tgtgctcatg attcaagcaa 240

atattgaaga agatgaggag gtaactatgg ctcgatttct taatggtttg actaatgata 300

tccgtgatat tgttgagctg caggagtttg ttgaaatgga tgatttgctt cacaaagcaa 360

tccaagtgga gcaacaatta aaaaggaagg gagtggtaaa aggagtttac caactttggt 420

cttctagtgg a 431

<210> 5579
<211> 420
<212> DNA
<213> Glycine max

<400> 5579

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tggcctgaga atcaattctg ccaagagcca actgggagca attggtcaat ctgatcagtg 120

gatcagatgt gctgctgatc tcttgaattg tggtccactg cagcttcctt tctgctacct 180

agggctgcct ataggtgtca atccgagaag gaaggtggtg tgggaaccta ttatcaacaa 240

atttgaggct aaactgaaca aatggaggca gagaagtata tccatggctg gtagaatcac 300

cctaactaat gctgtcttaa cagctctgcc attgttttac atgtcttttt tcagggctcc 360

ttcagcagtg attaacaagc tcatttccat ccaaagaaag tttctttggg gtggtaacca 420

<210> 5580
<211> 395
<212> DNA
<213> Glycine max

<400> 5580

agcttgaaat tgaacaacgg aagctctcga tatattcaaa tggtcttaac ttttcactcg 60

gatgtccgat tcaggctata tcgagacgct cgaaattcaa caatggaagc tctcgagaaa 120

ttcaaatggt cttaacttat cactcggatg tccgattcag gtgcataata tatcgagacg 180

ctcgaaattg agcaacggaa gctcttgagt aattcaaatg gtcataactt ttaacccgga 240

tgaccgattt aggacatcac atatagagaa tctcgaaatt gaacaacgga agctctcgag 300

agtttcaaat ggtcataact tttcactcgg aggtcagatt caggcgcatt atatatctag 360

acgctcgaaa ttgaacaacg gaagctctcg tgaaa 395

<210> 5581
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5581

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aacttacgtt tgaatactct atacatgcag acacatgcaa cacattatgt tttcactgat 120

aataaaaaga gaaatgttta gaaacacggt gactcgctct atcgaatata tccccttcca 180

tttggtcgaa aatttttaaa atgaaaaaag tttgcgaatc ctactcaata attaacgacg 240

ttttccttct aactttatgc acaaaaaact tgtttaatag agcgtgttct tatggcttat 300

caaataaaaa aataaaacat acatgcacgt caataagtca ctactcggtc tatgctgaca 360

ggttagaaag taatctacat tgggaagtgt gatgctaaca ttctattttg ttcgattgaa 420

aaaactgcgt actttctt 438

<210> 5582
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5582

ggccgccacg gagttntccg actatgctct tgtgtggtgg tacaagctac aaaaggagag 60

agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg ccggctagtt actcaaggga ctngaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

gattgaagaa gatgaggagg tgactatggc tcgatttctt aatggtttgg ctaatgatat 300

ccgtgatatt gttgagctgc acgagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtagag caacaattat aaaggaaggg agtgact 397

<210> 5583
<211> 387

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5583

agcttaaata ggtgggtttg tccgttctcg ctagcttagn gcaaatttga atcgcttagc 60

acacataagt ggattttggt ttagcgtgct tctctcgctt agtggatgag ctgaagcggt 120

tcgcttgatg acctggagca gtgcgctcag tgaacctgac aactcatctt cttctagatt 180

cttcctcacg cttaaatagc aagttctcat ctacctccat ggcttcctat ggtggtgagc 240

ttgttcttga ctcatcttct ccttgaagtg gcatctacaa tcagctttct tccttctcca 300

ttcaactacc attgatcttc aagaagcaaa agactccatt gatgaagaag attcaaggcc 360

cacgagctct acatggagct tcattag 387

<210> 5584
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5584

agcttacacc agtatcggat gtatattact tttggagaca tattggtaca acttctaact 60

ggaagacccc ttttggggct agttagagat atgaaatgtg cattggaaaa ggaaaacctt 120

aaagcagtct tggactcttc agctggtgaa tggccgtttt ttcaaactga acagctggca 180

tatttagcat tgaggtgttg tgaaaagact tggttgaacc ggccagacct tgtgtctgaa 240

atctggagtg ttcttgaacc attcanagca a 271

<210> 5585
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5585

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gcgatgatgc tattccggta cttgcgagaa aaagacatgt ttgagaagta ttacaatctg 120

catatggcaa agcggctttt gtcgggaaaa acagtttctg atgatgcaga aagaagtctc 180

atagtcaggc tcaagaccga atgcggttat caattcacct ctaaattaga gggcatgctt 240

accgacatga aaacctctct agaaacaatg cagggctttt atgccagcca ccctgagtta 300

agtgacagtc ctacacttac cgtgcaggat ttgacctcag ggttttggcc tactcaatct 360

actgctatat 370

<210> 5586
<211> 384
<212> DNA
<213> Glycine max

<400> 5586

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tgattgatgc gctaccttcg ggaaaaatca atgaccttcg caaaaatata aagctggtaa 120

tgggcgttgg gtttgcaaag gagtgctacg aggtgtactg taactggagg agggaaagct 180

taaaggagtg cttaataaat ttattaggct tgccagagat taatgtggag gagaaaagta 240

gattgttgga atttgaaaat tacattctta gaagacgtat tgaggctatc caggtcgctc 300

ttggaacact aattcccagt gagcgacgac tctgtgatag cgtcttccag gggttctctt 360

atgtggctga tctttgtttc actg 384

<210> 5587
<211> 410
<212> DNA
<213> Glycine max

<400> 5587

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ctggactgat gcatttgctt ccaaagtttc atggccttgc acgtgaagac ccgcacaaac 120

atctgaaaga attccatatt gtctgctcca ccatgaaacc cccagatgtc cagaaggatc 180

acatatttct gaaggccttt cctcattctt tagagggagt gacaaaggac tggctttatt 240

accttgctcc acagtccatc acgagttggg atgacgtcaa aagagtattc ttagaaaaaa 300

ttttccctgc ttcgagaacc acgaccatca aaaaggatat ttcaggcatt agacaactca 360

gtggagagag cttatatgaa tattgggaga gatttaagaa actatgtgcc 410

<210> 5588

<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5588

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cgtgtgcgca aaatattaat taataccatg tgtcagaatg gtatattttg ttttaccgca 120

tgttaaagtg acatatttaa tcatttttca tatattttac taagttttat caacctaaca 180

attgaataat gttatttaaa cttgttattc agaagaaaaa aacatgttat ttaaatttga 240

tgattatgca tattaaattn taaataaccc agggattcat aaatcataaa tatgtaattt 300

aatagtattg cttattggaa atagcatatt atacattaaa ataaaacaat ttatttagaa 360

ttaaatagat ctttaattaa gactatg 387

<210> 5589
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5589

agcttcaaga ataanggttc tagcttattt cttattccca gaaggaaatt caataaatag 60

gcctcctatt tttaatggag agggttacca ctactggaaa acccgaatgc aaattttcat 120

tgaggcaata gacttaaaca tttgggatgc catataagtt ggaccttatg tacccaccat 180

ggtggctgga aatacaatag agaaacctag agaagagtgg tctgaagatg aaagaagatt 240

agtgcagtat aatttaaagg ctaaaaatat tattacttct gccctaggaa tggatgaata 300

ttctatggtt tcaaattgta agagtgctaa cgatatgtgg gacactctac aagttacaca 360

tgagggaaca actgatg 377

<210> 5590
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5590

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tgatcaaaca tttgaggtta ctaccgacgc gtcaaattct gttgttggag cagttttatc 120

tcagcaatcc catcccattg ctttttttcag tcgcaagata tgtcccaaaa tgcgggctgc 180

atctgcttat gagagggaaa tgtttgctgt tacggctgca gtcaaaaagt ggcgacatta 240

tctcttggga aggcattttt tcatttatac ggatcatcgc agtttaaagg aattgataac 300

gcagacgatt cagacgccga cacaacatat gtggttaact aagctattgg gtttaactat 360

gagattgata caccccggaa agaccaac 388

<210> 5591
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5591

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agagagcaag aaatgaagag ccaattgttg atacatgggc ggagatgaaa aggatcatga 120

ggaagcggta tgtgccggct agttactcaa gggatttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaagattga aaaagatgag gaggtaacta tggctcaatt tcttaatgtt ttgactaatg 300

atattcgtga tattgttgag ctgcacgagt ttgttgaaat ggatgatttg cttcacaaag 360

caatccaagt agagcaacaa ttaaaaagga aagga 395

<210> 5592
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5592

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actatagcat catttctggc gctaaactgc ttgggccaac aacattttga aaataatgct 120

gttgatgttg ccgctgttgt ggaggactcc atcatctaag gttgggatga ttcctccacc 180

cgagatggtt cctgttgctg gagaggtcat aattgctctg ccgtggctga ttttgctgtt 240

gaggttgagg aagtctattg tatatgacgg cagcatatgc ttcaagctgt ccaattgctg 300

cacagaaagg cgaaggtctg tatggtggtc aa 332

<210> 5593
<211> 365
<212> DNA
<213> Glycine max

<400> 5593

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accaaagctt gaactactgt gtttttggtt ggacccctta caatttattc taaacatcag 120

ctgaaatctt ctttaaagaa ttgtggagac agaaactgct attcctaata tgtgtgtatt 180

tgactagctg aaaccaaaag gaagttgcat tgcgagggga cttctttatc ttcaccaaga 240

cttcaggctg aggattattc acagggatct aaaaactagc catattttgc tggatgcaaa 300

tttggatcca aaaatatcag actttcgctt ggctcgatca ttttgggaga ccaagtgagg 360

gaaac 365

<210> 5594
<211> 397
<212> DNA
<213> Glycine max

<400> 5594

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acccttggtc tcttaatccc ttttcagaaa taagatgaag agaagaagaa atctctcttg 120

aaagagatag attgaacaat ggagcactca aataattcct tattgaattg caagtgtatt 180

ggccaaggaa tttttaagag gataagacaa ttttggtttt gagaggataa gacctttttg 240

ttctaaaaaa ctctaagcaa atttgtgttc caagtcacat ataaatagac ccttgatggc 300

cattcaaaaa ccatttgaac agatgtgact cttggaaatt atttttgaa aatctcctct 360

ggtaatcgat tacaagattt gggtaatcga ctatagg 397

<210> 5595
<211> 391
<212> DNA
<213> Glycine max

<400> 5595

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taaaaattta ttgtcgtttg gattggctca gagattcaac attcaatttc gagcgtctcc 120

atatattacg ggactcattc agacatccga gtaaaaagtt attgtagttt gaattagctt 180

agagcttcaa caatcaattt cgagtgtctc gttatatcac gagactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgaattggct cagagcttcc acattcaatt tcgagcgtct 300

caatatatta cgggcctcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360

tcagagcttc aacattcaat ttcgagcgtc t 391

<210> 5596
<211> 355
<212> DNA
<213> Glycine max

<400> 5596

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ataggttgga cctcccataa gagtatgcag ttagaacttt ataggtggag ctaatactga 120

ggagcatgaa ccaacagatt tgaggtcaaa tcctcttcaa aggggagtgg gtgatgcaat 180

cctccctagg aagggactag tcaccaaagc catgaacaag aggctccaag aggattgggc 240

tagagctgtt gtagaaggcc ctaggattct catgaacctt acggtagatt tctgagccca 300

tgggccatgt tgtgtccact tatctgtgta catattagat taggatttca ttatt 355

<210> 5597
<211> 390
<212> DNA
<213> Glycine max

<400> 5597

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acagaataaa agttaaattg ggagaagatg tcatatcaca ggttttctaa gtttggatat 120

ctaggattca tcatataaaa ggatggagaa attaatgagg atgtatagga tacatgtggg 180

atggcttaaa tggtgaaaag catcgagggt tatttgtgat tgccaagtgt ctaccaagct 240

caaaggcaaa ttttattgga caactatacg tccaactata ctatatgata gtgaatgttg 300

ggttttaaag ggacaacatg agagaaaagt gagatttgca gaaatgacga tgttaagatg 360

gatgtgtggt gatataagac aagataaaaa 390

<210> 5598
<211> 392
<212> DNA
<213> Glycine max

<400> 5598

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atatggtgaa tatatttagt ggcacacatt ctctctgctc tccctaaata ttttttaaa 120

aaaatttaag aatgagtggg agagagaaat aaatgagttt taaaatataa acattaaatt 180

accttattat ccgtaaataa atttattatc ataaaataag tagttaagtt ttttgtccaa 240

ataatttggt atgttaacat acccctttat atttatatct tttttatttc ttaaaacata 300

attttgaact atactttcta aaacaacata tatcaattcc ataaagtaat ttttaggact 360

atgttttaat aaaatacaca taattatgga at 392

<210> 5599
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5599

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ccctcattaa gaactagctc ttttcttcct ctattgccta tagttgaata caccttttgtt 120

tggttctcta tttggttctt aaccctctca tgcaacttct ttacaaattc tgacctagat 180

tccccttctt tatgtataaa agaagtgtct agtgggatgg gaatgaggtc taacggtgtt 240

aggggattga acccatagac aacctcaaaa ggggactgct tggtggttct atgaaccccc 300

ctgttgtagg caaattctac atgaggaaga tactcatccc aagtcttatg gttgcctttc 360

agaagagccc ttaaaagggt ggataaagac ctattcac 398

<210> 5600
<211> 405
<212> DNA
<213> Glycine max

<400> 5600

gacctgcagc atgcaagctg gattgaagaa atggaagtac tatataattc gaaataggat 60

caatgaagat caacaaagta tggactttag ttgaagtttc aaaggatata aaaccaattg 120

gttggaaatg agtttacaag aaaaggattg gagcagattg gaagattgaa acctacaaaa 180

cgcatcttgt tgccaaggga tattgtcaaa aggaaggtat agattatgat gaaacttctc 240

tcgtggaaat gctcaaatta attcggatta tttttgctat agtagcatac tatgatcatg 300

aaatatgaaa tggatgtggg aaatgtcttt ccttaacggt gagctaaaaa aaggtgtgta 360

tatgacacaa ctcaagggat tcacatcctt gtttgatcat aataa 405

<210> 5601
<211> 388
<212> DNA
<213> Glycine max

<400> 5601

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agaagttctt gaataaatat tttccagtgt ccaagaccac tgaggggaag gtggaaatct 120

catcattcca tcaattccct aatgaatcaa tgagtaaagc tcttgaccac ttccatggtt 180

tactctagaa gacctctact catggattta gtgagcctat tcaactaaat atattcattg 240

atggcctgtg accccatttg aagcagcttc ttgatgcatc tgctagtgga aagatcaaat 300

tgaaaacaca tgatgaaact atggagttga ttgaaaacat ggcagacagt gaccatgcca 360

tcctttgtga ccgagcttac acatcgac 388

<210> 5602
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5602

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ttctttctgg ctccattcac taccccagaa gcacccctga ggtattacac tcaaatgtat 120

ttcaggtttc tttccatttt ggccttttt ttttttatc aaatgggcac cttaaagtat 180

cttccttttt tcagatgagg ccagatctta ttcaaaaggc aaacgaagga ggtttggatg 240

tcattcaaac ttatgttttc tggaatggac atgaaccttc acctggcaaa gtaatgaata 300

atgtttgctt gcagtgnttg aaaaaaatgc atttttttgt cgctattatc tattntaaca 360

agtttagctg tttttgttgg ta 382

<210> 5603
<211> 354
<212> DNA
<213> Glycine max

<400> 5603

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atatatcgag atcctcgtaa ttgctaacgg aggctctgag aaatttctaa cgacattaac 120

tttgtactcg gatgttcgat tgtgtcccgt aatatatcga gacgctcgaa attcaaaata 180

gaagctttga gcaaaatcga acgacaatta cttttgactc ggatgtccga tggagtcctg 240

taatatatcg agacactaaa aattgaaaac cgaggcgctg agaaaattca aacgacaata 300

acttttttaca caatcatgat gcttaaaatt cacaacagaa gctctgacat aaat 354

<210> 5604
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5604

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ggtccaaata ccgctaagga acagngggag caggaacaat ttgcaatttt ctgcgaacat 120

cttccaagtc ttcatgaaaa tgttgctcat aatatacaca cataagatca gtcgattgca 180

tgccagcacg aatggcccaa gggaagtagt gctgataaaa caattttctc tgcttttcat 240

tgaatctagc cgtgcccccct ataacggaca gcagacacat aggaaggccc atctgctcaa 300

attcaatgag cttcagtgct tgctccccaa tcaag 335

<210> 5605
<211> 395
<212> DNA
<213> Glycine max

<400> 5605

agcttcaagt agagggaata tgatgtataa gattaatatg actatggcta tgatcactac 60

aaacaatacc caagtttcag gagaatcctg cagtccatat gccctattga gggaagggac 120

aataaatttg cacccttgga ttttcaaacc ccaaaaagat ttgacaatca ctacttcata 180

aacattcttg aagggaaagg cttgttagat tctaacaatg ttcttatcaa ccatgactta 240

gatggaaaga ttacagagca gatgtgggct tatgcctcta atgaaaaact tttgtttgct 300

tcatttgcta aatctatgat taagatggga aacatcaatg ttcttacagg aaatgagggg 360

gaaattagga ggaattatag gtttgtcaat gctta 395

<210> 5606
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5606

agctagattg gctgatttta tattttattg caaccagacc tgacattgng tttgtagtaa 60

gtatactttc aaggttcatg tattgtgcta gtgaagttca tcttcaagct gccaaacgag 120

ttattagata tgttaaaggc actttagact atggtataat gtactctcat tctcataatt 180

ttaagctcca tgaatattct gatagtgact gggcatgttg tattgatgac atgagaagca 240

cctctggata ttgattttcc tttgggtctg gagtcttttc ttggtgttct aaaaagcaag 300

aaagtgtatc tcaatcaact gcaaaagcaa agtatgtaac tgc 343

<210> 5607
<211> 315
<212> DNA
<213> Glycine max

<400> 5607

tgtcctcggt gacgaagaca attgaattag ccccttctag ctttgcacag gcgtcaacga 60

ttctcaaaat gaagggtctg tgtttggaag tggcgatgag gtggagaaca acctctgtgt 120

atgaggtggt gttgaagatg gacccgctgt actcaatgtt tgttcacagg gtacagtaaa 180

ttataaagtt gccgttgtgg gccacgccga cggagccgaa gctgtatccg gcgactaaag 240

gtagcacgtt tattagcatg gattggccgg cggtggagta tctgtcttgg ccgatggcga 300

ggctgcctgg gagct 315

<210> 5608
<211> 361
<212> DNA
<213> Glycine max

<400> 5608

agctttgatc taacaccgcc acttctacca tcatcttaga tttctattat gttaatatta 60

ttagtacttt aatctccagc cgtgtatttg gctatattat gatgatattt gaacaattta 120

atatttcttt atttgcatgg tatgtttgaa caaatattaa ttacgttatt tgactatgtg 180

gattttatat ttgatctatt catggttctt gcttcatggt tcttgcttta tgatttggtt 240

tatatttttc atgaatgttg tgtgaatgct tagttgatat ttgtatgtta cgcactttgg 300

ctttttgttg atgccaaagg gggagagaaa tagggatgaa atcaacaaga aataaggatt 360

a 361

<210> 5609
<211> 316
<212> DNA
<213> Glycine max

<400> 5609

ttttattgtt gtttagatgg atattttggc tatttgcaaa ttccaattgc taggagggac 60

caagaaaaaa ctacttttac atgtccctat ggaacttttg catatagacg gatgtcattt 120

gaactttgta atactcctgc tacttttcaa agatgcatga tgtctatttt atttatttat 180

ttaattgagt cttgcattga aatactcatg gatgatgttt ctatttttgg aacttgtttt 240

gacacatggt tgcataactt gaatgtggtc ttgaaaaggt gtagggatac aaggttagtc 300

ttgaacttgg aaaact 316

<210> 5610
<211> 357
<212> DNA
<213> Glycine max

<400> 5610

agcttactcc tcattttatc agttcttacc aaatcgtaaa aagagtcaac ggagttgcct 60

attaaattgc cttgtcacca tccctctcaa atctcaatag tgtcttccat gtctcccaac 120

tcagaaaata tatctatgat ccattaccaa tgaggattga ggaaaaaatg gtgaaacaac 180

taagagagaa ggatattcct ttgatcaagt ttgtgagcgg aggagctact aaagatagtg 240

ctacatggga gttggaaagc cacatgggag aatcatatct tggtttgttc ttttcagcta 300

aatttcaagg acaaaatttc ttttaaggag gggggaattg taacatcctt ctatttt 357

<210> 5611
<211> 317
<212> DNA
<213> Glycine max

<400> 5611

agctttacta tgcagagaat attcaaggaa aataccttca tctgacttag catcaaattt 60

tcctaagtta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120

agagatgttt ggttttctgc cattgaccaa ttcatatgga gttttcttta aaatgggtct 180

tattaaagcc ctatttaaac tgtagcatgc agtgttaacg gcttcagccc aaaagtattt 240

tggaagagga gtatcattta ataaagttct agcaatctct tccaaagatc tatttttcct 300

ttcaacaaca ccatttt 317

<210> 5612
<211> 305
<212> DNA
<213> Glycine max

<400> 5612

tttacctttc attttaaccc ttaaaacttc cctgccaaaa ttgtcataga taaagcaatg 60

ttgatgttca aaggacactt taaatccctt tttaatcaac tgacctacac ttagcaagtt 120

ttggtcaatg ttaggtacat aaagaacatc tgatattaat ttggtacctg aacacgttga 180

aattgcaaca gttccttttc cttttactgg aatatagcca ccattcccaa ttctgacctt 240

tgagacatta gttggcttca aatccttgaa tagagtctta tcatttgtca tgtggttcgt 300

acaac 305

<210> 5613
<211> 325

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5613

agctttagtg ngtagtgtca agttttaggg tttactgtgt agggtctaat ccttatggtt 60

taggatttag ggtgtagggg ttatggttta aaatttaaag gtaatggttt agggtcaagt 120

cttagcgttt agggtttagg ttttacggtt tagggttgaa ataaaattac tccaaactca 180

tatgcatcta atgaaataaa attacattta gaagttgaaa taaatggagt ggatcaagcc 240

aggttgagtg actttagtta tccataagta aaccttaata aactgaatac catacattac 300

gtgtgaaatt caaatgagaa attta 325

<210> 5614
<211> 360
<212> DNA
<213> Glycine max

<400> 5614

agcttcaaag actaattcaa ggatataaga gtgtggacga gtattacaaa gggattgaga 60

tttccttgat tagggctcaa attgaagagt atcaagaggc taccatggca aggtttttgc 120

atggtctcaa taaggtaatc caagacatta tagagttacg ccactatgcc tcttttgga 180

ggatctcatt catgaaacta tcaaggtgga gcaacaatta aaagggaaac aaatatacaa 240

gaagtccccc tatgtgtctt caacatagga ggataaggag acattcaaga agaagggagg 300

atcttcattc aaatctcatg agaaagatgc tgcacttagt aaaaataatt taaaccctac 360

<210> 5615
<211> 313
<212> DNA
<213> Glycine max

<400> 5615

tttatataac aaagtgaaga tattaaaatc acacagaagt aggcttgaaa aaatgacata 60

aagtttttta ttatgaaaaa caattgatta aatatttgtt gtatataaaa tattatcaaa 120

tcaatcataa gagttgatat tatcaaaacc aataacttaa aacataatat taacattaat 180

tttcaattac ttcaaattat caataattaa aaacaaataa tttaaaacaa tatttcaaaa 240

tgcatggtat aagagacata tctagtggag gactgtttct atatgagaat gggaggtgaa 300

atattgtgaa ctt 313

<210> 5616
<211> 283
<212> DNA
<213> Glycine max

<400> 5616

tctggtcggt gctgattctt ggtatacccc ttttacacct tcatgtacct ttcaattgga 60

tacgtccagc gtaaaaatat aggaccacac aactggatct ccctgactag atgaacaatt 120

atgtgaacca ttatgtcgaa aaatgatgga ggaaagtaca tctccatttg acaaaggaaa 180

atggcgacct cgttctccaa ttcatccaat cttgcagggt caataacttt gctacatata 240

gcattaaaaa caaagccttg accagttatg gcttccccaa aat 283

<210> 5617
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5617

ggagagggga tgaaattttt ccaactctcc taatgtctat cgaggagtcc gaggtttcgg 60

tgatcttctt gtccataaac tacatatgcc acttctaagt ggtgcttgga agagctcgtg 120

aaaattatgg aatgcaaaaa aacaaagggt caaatcgtga tacccatttt ttatcatgta 180

gatccggcag atgtgcggaa ccagaccgga agttatgcag atgcttttgt gaaacatgaa 240

caacnnctna naaacaacnn ncaaaangnn naaccccnga aagacacnnc gagagaagca 300

gccaacctct ctggattgga ttgcttggtc aacangtttt tttccaatta a 351

<210> 5618
<211> 325
<212> DNA
<213> Glycine max

<400> 5618

tcttcttgac tcatctactc cttgaagtgg tgtctccaat catctttctt ctccattccg 60

ctaccatgat cttcaagaag caaaggactc cattgatgaa gaagatccaa ggactacaag 120

ctccacatgg aagctcgaca atggacacaa aagccataac atttgactca aatgtttgat 180

ttacgaaagc tcagagaaaa ttcagactgt cataactttt gacttgaatg tctgattgcg 240

tactataata tatcgagata gtcgaagttg aacacggaag ctcctagcaa actcaaacta 300

ccataacttt ttattcaaat gtctg 325

<210> 5619
<211> 318
<212> DNA
<213> Glycine max

<400> 5619

tgacaattat tatttattac atttaacttt ctctcccaaa aatgctgtgt ttagggaaca 60

ttaccaaatg gacaagaggt cgctgttaag aggctttcac aaacatctag acaaggatta 120

aaagaattta agaatgaggt tatgttatgt gccgaactcc aacatcgaaa tcttgttaaa 180

gttcttggat gttgcataca agatgatgag aaattgctca tatacgaata tatggctaac 240

aaaagcttag acgtctttct ttttggttag tgtctctaaa tttaattgtt aattgaatgt 300

tggatctatt atttcctt 318

<210> 5620
<211> 320
<212> DNA
<213> Glycine max

<400> 5620

tcaacatcag accacttcca gggtgctgga actacttcac atggacttga tggggcctat 60

gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120

atttacctgg gtcaacttta tcagagagaa atcagaaacc tttgaagtat tcaaagagtt 180

gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcagga gtgaccatgg 240

cagagaattt gaaaacagca ggttcactga attctgcaca tctgaaggca tcactcatga 300

gttctctgca gccattacac 320

<210> 5621
<211> 378
<212> DNA
<213> Glycine max

<400> 5621

atccctaagc gaccgcagct gcagcttgca tacccttga tcttttatga aattacttgt 60

gaaagatagc catgagggtg ggctcatggg ccactttggg atagacaaaa cccttgtctt 120

actcaaagaa aagttttatt ggccccatat gaagaaagat gtccataagc attgcactag 180

gtgtgtggct tgtttacaag ccaagtctag ggtgatgcct catgggctat acacaccctt 240

acccatccca tctgcacctt gggtagacat tagtatggac tttgtccttg ggcttcctag 300

aacccaaaga ggtgtagact ctatctttgt ggtggtggat aggtttagca agatggcaca 360

ctttatacca ttccacaa 378

<210> 5622
<211> 313
<212> DNA
<213> Glycine max

<400> 5622

ttgatgcaac atttggagag gttaatgaaa ctacgagatg atgcactcca tgagaggttg 60

gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120

gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180

aatgatccgg aggcctactt ggagtgggag acgaaaatag agcatgtttt ctcatgcaac 240

aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300

gtgtggtgga aca 313

<210> 5623
<211> 356
<212> DNA
<213> Glycine max

<400> 5623

agcttgaaat tgaacttcgg atgttcttca gattctcaaa aggacatagc tgatcacacg 60

gaggtccaat tgaggcgcat aatatatcga gacgctcgaa attaaacaac gaatactctc 120

gagaaattca aatggtcgta acttatcaca cggaagtccg attcaggtgc ataatacatg 180

gagacgctca aaattgaacc acgaatgctc tcgagaaatt ccaatggtca taacttttca 240

aacggaagtc cgatttaggc gcataataca tcgagaatct tgaaattgaa caacggaagc 300

tatccagaaa ttcaaatggg cgttacttgt cacacggaag tccgattcaa gcgcat 356

<210> 5624
<211> 309
<212> DNA
<213> Glycine max

<400> 5624

tgaaggcaaa ctggatgcgt tggtcaactt ggtaacccag ttggccttga atcagaaatt 60

tttacctgtc gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180

caatagacct cctcaacctc agcagcaaaa tcaaccacaa aagagcaatt atgacctttc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctaac ctcagatggt ccagccctca 300

gcaacaaca 309

<210> 5625
<211> 341
<212> DNA
<213> Glycine max

<400> 5625

agcttaccat taattgtaca tcttttgtgg agaatatttt ccctttgggt gtcattcagt 60

ggctgcattt gactttccaa gagccttctc accattagta tatcaccctg catagcttcc 120

tcttcaagct catcctttgc ttcttcttct tcactaattt cagattcact agtgatttct 180

ccatctgcct tcatgatcat ggttttcttg gttggacagt cagaagcaat atgtcctctg 240

cctaagcatt tgaagcattt tatgtttctg gtactggtgt tggatgatga agcaaaatta 300

tgcttggttt tagcactgaa aactgttgac tttccatggg g 341

<210> 5626
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5626

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gctagagact tttctttctt aggtgcttcg tcttgttaaa gttcatgttc atgaacttaa 120

gagtaccaat taattcttta aaggaaattg agtcaagatt ctttaaaacc cttagtgttg 180

ttacttgtta atgtggctcc ttgtagagct tgtaggcctt ggatcttctt catcaatgaa 240

gtccttcgct tcttgaagat caatggcagc ggaatggaga aaaaggaaag gttattggag 300

atgccacttt aaggagaaga tgagtcaaga acaagctcac caccatagga agccatg 357

<210> 5627
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5627

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cgtgatggag ttcaaagccc tataatccat gcaacaacgc catgaaccat ttttttttct 120

taacgaggag gatgggtgaa gaaaatgggc tatggctggg ttggatcagg ccggccgcaa 180

gcatggagga gatttgggat tcaatctcgg ctttttggaa gtggggataa tggtagggtc 240

ggacattcac aggantgaaa ttgggaaaaa ggggaatatg gggctgaata ttgcggggcg 300

gaggtagggt ggttgggtca aggaagatgg cggagtaacg gtcaaggagg gtgg 354

<210> 5628
<211> 316
<212> DNA
<213> Glycine max

<400> 5628

ttgcaaagaa aaatgcagaa accaaaaaat acccctggtt ttcatacagc cgttgtccat 60

cgaggtactg aacaaaacca tcaatgagat atggaccaac ataagaagcc aaagtgttta 120

acaatacaag aaaagctgtg ataagaatct ccttccatgc tgaaattatt aacgacttca 180

ccaacttcag tgtggtgaca ctattaattc caccacaatc agcctcaact ttctctctga 240

aagttggaaa agtaccaatt acactatctc tgctgtctag ttgaggaaca tcctcaaggt 300

ccagggtctt ctgatt 316

<210> 5629
<211> 347

<212> DNA
<213> Glycine max

<400> 5629

agcttatcaa catcaaactt ggttaaagag ggcttggggt caagacatga gaagcaatca 60

agtataatgt tacttccttc actaaagcgg tgatctatct ccacacatat tttatcaata 120

gcaacataaa aaatctttgc acggtaatga tgaagattag tgatagtcat cccttctgct 180

cttgaacgac cccgaaccgg tatttcgtca tccatatttg gtaccggaat acttttagct 240

acacaaaatc cttggacatc ggcaaaaaaa ttattccagc cactctctct cattgtgccc 300

aaccgagctt tgacaacatc aactaattcc atggcaatca caatatt 347

<210> 5630
<211> 321
<212> DNA
<213> Glycine max

<400> 5630

ttggagtttc caagtgccaa ttcgtcttct ttttttgtcc agtcttcttc tggcttcaat 60

tcatcagtgg gctttccttc tgtgtcccgc atcttgggat gttcccagcc tttgatgaca 120

gctttccagg ttctgctatc cagcgatttg aggaaggcca ccatccttgc tttccagtat 180

tcatagttgg ttccatccag aattggtggt ctgttcactg gtcctccttc tttctccatg 240

ttcatcagaa tttatctccc tagatctcac tcagtgattt cgagtgcctg ctctgatacc 300

aattgaaatt ctgatatcaa t 321

<210> 5631
<211> 311
<212> DNA
<213> Glycine max

<400> 5631

tataatatat cgatacgctc gaaattaaac atcgggaact ctcgagaaat tcaatttgtc 60

atcatttttc acacggatgt ccgattcggg cgcataatat gtcgagaggc tcgaaattga 120

acaacggaag ctcttgagaa attcaactgg tataactttt cacacggatg ttcgatttag 180

gcaaatcaca tatcgagacg ctcaaaattg aacaacggaa gctcctaaga aattcaaatg 240

gtcataactt ttcactcgaa tgtccaatac aggcgtatca cctatagtga cactcgaaat 300

tgaacaacgg a 311

<210> 5632
<211> 354
<212> DNA
<213> Glycine max

<400> 5632

agcttcaatc ggacattcgt gtgtttaagt tatgaccatt tgaatttctg aagagcttcc 60

gttgttcaat tttgagcctc tcgacatatt atgcgcccga atcggacatc cgtgtgaaaa 120

gttatgacca tttgaatttc tcaagagttt tcgatgttta atttcgagcg tatcgatata 180

ttataagccc ggatcggaac tcagtgtgaa aagttatgac catttgaatt tcacgagagc 240

ttccgttgtg catttacgag cgtctctata tgtgatacgc ctgaatcgga catccgagtg 300

aaaagttatg accatttgaa tgtctcgaga gctttcgttg tcaattttga gcgt 354

<210> 5633
<211> 281
<212> DNA
<213> Glycine max

<400> 5633

tggcttagaa ctttctgctt ttattaggag gttttttttgc atttgtattt tggggtaatg 60

cagacatgga gtaacttcta aaatggctgc caaaggaaaa taattgagag ccaagtgatg 120

ctgaataatt ggacctctga gaagtgttac cgatacctga attcaaagaa aattgaggag 180

gagataaccg gcgggttaca tgggggagag cgttatctaa tggaagtatc catttaataa 240

tgctccacat ggatcctgat ttgtgtgaaa ctgaatgttc t 281

<210> 5634
<211> 363
<212> DNA
<213> Glycine max

<400> 5634

agcttctaaa ctttgtacaa gaattaagct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa gaagggggggg gttgaattaa gatattcgaa acttttttccc ctaattaaaa 120

atctatctta ctttttactt aagttatgaa ttcccttaat gacaatcttc ttaaatatta 180

attcaaatga agcaacttga atataaatat aaagcaataa taaataaagg agattaaggg 240

aagagaaaat gcaaactcag ttttatactg gttcggccac atccttgtgc ctacgtccag 300

tccccaagca acccgcttga gagttccact aacttgtaaa ttccttttac aagttctaaa 360

cac 363

<210> 5635
<211> 316
<212> DNA
<213> Glycine max

<400> 5635

ttggaaaatg atttctatac aaaagttagt cgtataaagt gactaacact tatctatgaa 60

agttttttag agagtttttt agaatcttat tgtcttattc tctcaaaagc aaatcattgg 120

ccaaacactt gcaagtcaat taacgattct tctaagaact tcaacttgta tcattcttct 180

ctaaaagaga gaaaaacttt tgtacttcta aaacaaaatt gttgtgatca agaggctgtg 240

tgtctcttga attgtgagtt tcctgaacac aagggaatgg atccctcagt tgttcaaaag 300

tttgaaatgg atttta 316

<210> 5636
<211> 324
<212> DNA
<213> Glycine max

<400> 5636

tgtagggtta aagtctcacg attgtcacgt gctcatgcaa caattgttag ccgtggctat 60

acgagacatc ttgccaaaca aagtcaggtt aacgataact cgtctatgct ttttcttcca 120

ttctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggccgc 180

aattatactg ggccagttgg agatggattt tccccctggc ttcgttgacc tcatgaatca 240

cttgaatggg cctctggtcc gagaaaataa atgatggggt cctgtttatt aacggtggat 300

gtacccagtt gagcgataca tgaa 324

<210> 5637
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5637

cttgaagcca aaaggaaaaa ttatcttgtt tttgttcaat gtactctgca taatagagtg 60

tgttcaatgc aaagttacca ctccattcca tcgaaccttg aggattgata aagccatcaa 120

gataagtctt cattaaaatt gatcttgaat attgcttcca tggtcttcga agataaatcc 180

taaccgggtt ttgaaacaac aatattccaa aaagttcctc gcatatcgcg atggatgctt 240

catagaatca aaanccnctn nannnaanct cnccggaaaa tcacttgaag agggcctaan 300

gacncngcat ccatcgcttt atattacagt tgaatttcca atcaaaagta tgacccattg 360

tgtcaaaca 369

<210> 5638
<211> 316
<212> DNA
<213> Glycine max

<400> 5638

tgtaatcgat tacacacata ctgtaatcga ttaccatagg agattttcag aaaatattct 60

caacagtcac atctttttgt gtggttcttg aatggctatc aaaggcctat atatatgtga 120

cttgagacac gaatttgaca agagtttttc agaacaaaaa ggtcttatgc tcttagaaag 180

aaaaataatt ttatcctctt acaaattcct tggccaaaac tcttgtgatt caataaggaa 240

ttatttgagt gctcaaattg ttcaatctat ctttttatag agagatttct tcttctcttc 300

ttcttcattc tgaaaa 316

<210> 5639
<211> 314
<212> DNA
<213> Glycine max

<400> 5639

tatagttatt ggagggagaa taaaacaatt caaaatcaat tgtacctttc aagtaacgaa 60

gaattctttt tgcggctttt agatgaggag aggtaggagc ctccgtaaag cgacacacaa 120

ctcccaccga atatagaata ttgggccttg tattggttag ataccttaaa ctccccacaa 180

gactcttgaa gaccgtggag tctaccttct ctccttcatc aaactttgat aacttcaagc 240

caccttccat aggtgtgttc acgggattgc aatcaagcat attaaatttc ttcaacactt 300

cttttgtgta gctt 314

<210> 5640
<211> 305
<212> DNA
<213> Glycine max

<400> 5640

tggacaatgg cagtgcaatc ttactaaaat cctggatgaa tctcctataa aaacctacat 60

gtccaagaaa agaacgcatt tcctgcatag aagcgaggta aggtagagaa gtaataacat 120

caatcttggc cttatcgacc tcaatacctc taatagatac caaatgccct aagattatat 180

gtaaccacat ggtacaaaaa ctattgttaa gagtaaagac ccttcccgtg gcctttggac 240

gtctagtttg gtcattcaga cccccaccat tctgcttctt cttgggatat aggcaatctc 300

tttga 305

<210> 5641
<211> 312
<212> DNA
<213> Glycine max

<400> 5641

tcaacattca atttcgagcg tctcgatata ttatcaggac tcaatcagac atccgagtaa 60

aaagttattg ccgtttgaat tggctcagag cttcaacatt caatttcgag cgtctcgata 120

tatgacagga ctcaatcaga catccgagta aaaagttatt gtcgtttgaa tttgctcaga 180

gcttcaacat tcaatttcga gcgtgtcgat atattacggg cctcaatcag acatccgagt 240

aaaaagatat tgtcgtttga attggctcag agcttccaca ttcaatttcg agcgtctcga 300

tatattacgg gc 312

<210> 5642
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5642

agctntaagg aaattcaaac gactataact ttttactcgg atgtctgatg gagtctcgta 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgactctcgt cacacatcga gacgctcgaa attgaatgtt 180

gaagctctga gccaattcaa acgacaataa ctttttactc ggacgtctga ttgagtcctg 240

tcatatatcg agacactcga aattgaatgt tgatgctgtg agcaaattca aacgacaata 300

acttttttact cggatgtctg attgagtcct gtcatatatc gagacgctcg aaattgaatg 360

ttg 363

<210> 5643
<211> 324
<212> DNA
<213> Glycine max

<400> 5643

tctctgcatg atgaattgcc aaaatggatg gatccatgct tattgatttc ttttctgtgt 60

atgtgacagg gggggaaaag gagtgatggg cgaacacctg acggaatacg tccaattaac 120

tcgagatgtg gcctattacc tagagcacat ggaagtactc tttttacaag aggcgagaca 180

caggtctgag ccaactttat ttgttttcca gtttatgctt ttgatgatat ctgttggtgt 240

ctatatatgc ttatgcaagt cacattatct cttttctgtg tttgttagtt ttattagaag 300

ggagatagaa tgatcaaaca caaa 324

<210> 5644
<211> 314
<212> DNA
<213> Glycine max

<400> 5644

tagcacctgg aattcggatg ctccatcaac ctacctatcg atgatgggta gagggtatgt 60

gtctttgggg cacgccctgt ttagatcagt gtagttggtg cacattcgcc atttttcgtt 120

ggctagctag gtggaaaacc tgacctctct tatgaaattt gcatggagga gcttgtcgac 180

ttcttctttg atgactttat gccgctcttc acccatcttc attttctttt gtgatatagg 240

tttgtcttta gaaggttttc ctatacaaga tgtaaacaaa actgccttgg ttgatgagga 300

ccctagacac catg 314

<210> 5645
<211> 314
<212> DNA
<213> Glycine max

<400> 5645

tagcacctgg aattcggatg cttcatcaac cttcctatcg atgatgggta gagggtatgt 60

gtctttgggg cacgccctgt ttagatcagt gtagttggtg cacattcgcc atttttcgtt 120

ggctagctag gtggaaaacc tgacctctct tatgaaattt gcatggagga gcttgtcgac 180

ttcttctttg atgactttat gccgctcttc acccatcttc attttctttt gtgatatagg 240

tttgtcttta gaaggttttc ctatacaaga tgtaaacaaa actgccttgg ttgatgagga 300

ccctagacac catg 314

<210> 5646
<211> 311
<212> DNA
<213> Glycine max

<400> 5646

tgtcagccgc gattgacgaa ggatgcagaa gacgacgtta gtctctgcgt gctatcaggc 60

ttttcatctt acagacagca aaagaaagtt tatacggata accactcggg tatttccacc 120

cgtcaacgtg actcaaatgt cagtatgaca gatcttgtga aggtggccga caaaagcgag 180

gctcttgctc ctacgtatcc tccaatgagg aactcagacc tacgtagttc ttgataactt 240

gtgagacttg aaaaagtctc caccggaaga tgctgacatc tccggaaagg gcgcagatga 300

ccacattggc c 311

<210> 5647
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5647

agcttgtaag agtgcatttg ttttttcttg caggccattg ataggattgg gtggttgctt 60

tctaaaagga gaatttggtg ggcaattgtt gactgctgta ggtaaagatg gaaacaatca 120

aatgtttcct attgcctatg gtatagtgga atctgaaaat tattcatctt ggaagtggtt 180

tattgatcta ttgatagctg acctagatgg tattcaggag ggatcttagg ctttcatttc 240

taaccancan aagggaaana cttattggaa ctaacatgaa ctatggcttt cattcaattg 300

gtccactatt ttttgcaggg tttggttgaa gtaatcaaag agcatggtga aa 352

<210> 5648
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5648

catatgaata atactccaat ggttgggttt agcaaaaatg attaattttt catagataaa 60

ataaggtttg aatatttgtt tcgaaagatg ttaatattaa tttagtgtga gaataagatt 120

atgtttgata aaactagtta aaaagataat tagaaatagt aaaaactaat tgatagttga 180

aaaatgaatn ttttttttatt cgtgaaaagt tatcttattg aatcatatac aaatgtttgg 240

taaaattata tgttgaaata gctaacaaat ataaaaatat ataaatgaac atgtttatat 300

aatgttttta tacatatttn taattcgatt tgttgataaa aaaatat 347

<210> 5649
<211> 368
<212> DNA
<213> Glycine max

<400> 5649

acatagacac ctagttagac ttttgggtta ctgtgtggtt ttagacgaaa tgatgctacc 60

atatgaatat atgcctaata gaagcttgga tgctttcata tttggtaaga ctatttcttg 120

catttgaaat attctgttgg ctaagcactt ttttgtacac tcaaaatcct attttgaagt 180

agactaatgt aatgtgtcat gcccctaatg aactacaaga ccggaagctg tgtgttctat 240

tagactgcga tgtgcgcttc aagaatatta tggggattgc tcgatggctt ctttatctac 300

atgaagaatc tacgttgagg attattcatt gggacttgaa tacaagcaac attctacctt 360

atgtatag 368

<210> 5650
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5650

ctaagctgaa tcgacctcag tgtgnaagna tgacttctga tattcgttag ctcncgngat 60

caatntctag cgtctgtata tgtgatacgc ctgaatcgaa catccgtggg aaaagttatg 120

accatttgaa tntctcgaaa gctttcttgg tacaatttcg agcatctcga catattgtgt 180

gcccgaatct gaccatcggt gaaaagttat gaccatttga atatctccag agcattcatt 240

gtgaagtttc gagcgactcg atatattata agcatgaatc ggaccttagc tgaaaacgtt 300

ctgaccatta gaatttctca gagctctcgt tgtaaaattt gagcgcctct atatatta 358

<210> 5651
<211> 437
<212> DNA
<213> Glycine max

<400> 5651

aatcctgact caccataaac gttgacccaa ggttttattg cctattctta tcctcggaag 60

caagaaaaga tgtgaagaaa attttcaatc aaaggaaaaa ggagaagaaa atttccaatc 120

aaagaacaag agaatgataa ttctcaatca aaggaaaaaa aggaagcaaa gaaattccca 180

atcaaagagt gggagaaaga ataaatgaaa agaaaggaaa ttcccaacca aataatggga 240

gaaatgtaaa aagaagaatg ctcctgatcg aaagataaca gaagacatgt gcagagaggt 300

ctttggaccg gacaatatct gaacaataca gaattgtcac caaatgaacg aaaaatgaag 360

gaaatgaaac cactacctaa tatggtcttc tccacttaat taccaaccaa aatcccgtgc 420

gctagctacc ctttttt 437

<210> 5652
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5652

tcgcacttga taacggagaa cacatgaaca tgttgctggc attttcattc atggcgctcc 60

ggacaaacgt ggagtatgga tgattgccta gagggaccgc acttatgcta tcatgaagct 120

catctccaaa cttgaaagtg gacgacacat gaacaaccct aagcaataaa ctttcatgtg 180

gctccgaaag aagatgagaa tggacgatng ccttgagggt ccactcttag gcaatcatga 240

aactcatctc caaactcgaa agtggaggac acatgaacag tcctaagcat atacattcat 300

gttgctcctg aaaaggataa aatggacgat tgtcttgagg gtcctcttat aggcaatcat 360

gaaactcatc tcccaacttc aaagtggagg acacatgaac a 401

<210> 5653
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5653

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ctgtcttact ggtttagctc tgttagtgct tagctntact gagttttaaa agattggcta 120

aaatttttgtt aaaacataag cacttagaca atgaaggaaa gctggagttg ctgcacatga 180

tgtctaacat tatgtcaagg aatcagatcg ggctgcacaa tgcacaaggc aagataaaat 240

gtcaaatgaa gaattgaagc tgcaggatcc acgatgtcgg atacaatgtc caggacattc 300

tgcccgaaaa tactggacac ataaatctgt tataccttta acagcttaat gtgcagtcag 360

caacagatta tgcgatctat ctntaggaac gaattaaaag ataattaaag ttcgaattac 420

aaacttgaat agttcgttca cggatt 446

<210> 5654
<211> 476
<212> DNA
<213> Glycine max

<400> 5654

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atattcatca ggaaaacatc atagtggaag gaaactacag tgctatgatc gaaaagatcc 120

ttccacccaa gcataaagat cctgggagtg taactattcc ttattcaatt ggagaagtca 180

atgtgggaaa agctcttatt gacctgtgag ccagtgtcaa tttgatgcca ctctccatgt 240

gcagaagatt gtgggagttg gaaataatgc ccactcgaat gactttacaa ttagctgact 300

gttccattac caggccatat ggagtaattg aagatgtgtt ggtcatagaa aaacatttta 360

tcttcctgac agactttgtg gtaatggata tctttgaaga tactgacatc cctgtaatat 420

tgtgaaggcc attcatgttg actgcaagct gcatagatga tatggggaag aggaag 476

<210> 5655
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5655

atcggacatc cgtgtgaaaa gttatggcca tttgaatntt acgatagtta ttgatgtata 60

atttcgagcg tatcgatata ttataagcct gaatcggaca tccgtgtgaa aagttatgac 120

catttaaatt tcacgagagc ttccgttgtt caatttcgag cgtcactata tgtgatgcgc 180

ctaaattgga cattcgagtt aaatgttatg accatatgaa tttctcaaga gctttcgttg 240

ttcaattctg agcgtctaga tatgtgatgt gctcgaattg gacactcgtg tgaaaagcta 300

tgaccattat aatctctcaa gagctttccg tgttcaattt cgagcctctc gacatattat 360

gcgcccgaat ctgacatacg tgttgaaagt ttgaccattt gaatttcatg agagctt 417

<210> 5656
<211> 458
<212> DNA
<213> Glycine max

<400> 5656

cacgtttcaa actcaaagta tattacattt acaaacttaa ataagaaaga tcttcacatc 60

tataaaaaga cttaatgaac attaacagaa ataaaaccta ccagaacctg taagtgaaag 120

aaaatataca gacccatgta aactatagaa catagatcta acctttaag tggaaaataa 180

cataaacgta gaagtatgca aatgaagatt taccaaatga attcagtaat agcaacttta 240

cctgaaagtg taaactgtta atgcagcacc caatccgcca aaacaatggg accatgatcc 300

tctggaactc taccatgtta ataacttcca aaatatcttc cagttcaccc agaaacatca 360

cctctttctg actatttgtt gctggccaat atttcaacaa gccgcttatc acaatgctcg 420

ctaactttgg ctccttctct ataaactgca taacacag 458

<210> 5657
<211> 468

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5657

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tggggttgtc ggactggtct gtagtcttct tccatcatta tcttgtgcat gcagtaggca 120

gggctaatac ctttaagatc cgatatatgc cacccaattg cttccttgtg tttcttcaaa 180

atttctacta cactcgtttc ttcatcggat gtgagtgtat tgctgatcac catatgctta 240

ctctcattct tctttaagaa cacatgcttc agatggttgg gacatatctt caattctacc 300

ttcttcttct tagatggagt cttgctcttt agtttctcaa aactggcctt ctcctcatgg 360

atgttatctt gtcgatccaa gtcttctaag caagccttga gatcttcttc tttctcattg 420

ggtaggcaat ctatccgatc accatggctc tttcagctaa gtctgtgc 468

<210> 5658
<211> 256
<212> DNA
<213> Glycine max

<400> 5658

tgaacaacga taactctcga gagattaaat ggtcatcata actagtcaca ctgaagtacg 60

attcacgcgc atactatatc gagacgctcg aaatctaacc acggacgctc tcgagaaatc 120

caatggtcat aacttttagc acgaaagtcc gactcagttg catgttatat cgagacactc 180

taaatcaaac accgagagct ctcgagaaat tcaaatgatc ataacctata acacgtaggt 240

catattccga cctata 256

<210> 5659
<211> 464
<212> DNA
<213> Glycine max

<400> 5659

acttcctgtg tttgggaacc tctcctgcct caggtgtttc taaacccaat cacctggttc 60

aagcacgact ttctttctgc ttttgttggc ttgccgtgca tagctcgcat ttttcttttc 120

aatttgaacc ttcacttgct catgcaactt cttcacatat tcagctttag cctgtgcatc 180

cttatgctta aacatagcaa tgttaggcat aggcaacaaa tcaagaggag tcaaaggatt 240

aaatccatac actatctcaa atggtgaaca attagttgtg ctatggacag cccgattata 300

agcaaactca acatgaggca aacaggcttc ccaagattta agatttttct ttaaaacagt 360

cctaagcagt gtgcctaaag tcctattgac tacctcagtt tgaccatcag tttgtgggtg 420

acaagtagta gataacatac aattagtacc aatcttaccc caca 464

<210> 5660
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5660

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tgaaaaatgc aagttacaag ttcccttaaa aaatgaattc ttaaataatg attcaaataa 120

aacaatctga atataaatcc aaagcaataa taaataaaag agtttaaggg aagagaaagt 180

gcaaactcaa atttatactg gttcagccac acccttgtgc ctacgtccag tccccaagca 240

acccgcttga gagtttcact atcttgtaaa atccctttac aagttctgaa cacacaagga 300

caatccttcc tttgtgttca gatatcttta caacaagaga ctctcggtct ctcaatccct 360

tttgagaatt tagaaagaag agaagaataa atctttcttg aaatagatag attgtacaat 420

ctgagcactc acataatncc ttattgaatt gcaagtgtat tg 462

<210> 5661
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5661

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tgggttgaac catagctaaa attcactaat cataattagt gaaaatttgg ctccacaaat 120

tcaatttcaa attcaagtga aatttggata aaaattcaaa tttccctcta attatgtgtg 180

acacttataa atagaggtca tgcgtgttgt atttttcaac tctgatcatt tgagaattac 240

gctncaaagt ttagacctca tttgaggcat aaaattatgt gctccttctc cctccactca 300

tcttctccta ccttcaaact cttatccatg gcttcctatg gaggtgagat tgttcttgac 360

tcatcttctc cttgaagtga cgtctcca 388

<210> 5662
<211> 429
<212> DNA
<213> Glycine max

<400> 5662

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atggagaggg ttaccactac tggaaaaccc gaatgcatat tttcatcgag gcaatagatc 120

taaatatctg ggaagccata gaaatagggc cttatatacc caccacagta gaaagagtat 180

caatagatgg tagttcatcg agtgaaagca taaccataga aaaacctaca gatagatggt 240

ctgtagagga tagaaaacga gtacaataca acctattagc caaaaacata ataacatctg 300

tcctatgaat ggatgaatat ttcagagttt caaattgtta gagtgctaaa gaaatgtggg 360

acactcttcg attaacacat gaaggaacta cagatgtcta aatatcttcg ataaatgcac 420

ttactcatg 429

<210> 5663
<211> 468
<212> DNA
<213> Glycine max

<400> 5663

taagctcctt caactgcaca aggctcttat atattgatga gtatccttgt agaaccttca 60

cccgacgaag acactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120

ggggcaagta aattatcttc ccatcagacc ttggatgcaa ctatgatctg atacccatat 180

cagttagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaagatc acaccagtac gaaagatcaa agaatatgga cctcttcttc catatgcaac 360

tctgactttt atccttcttt tgggtcttcc caaatacagt gttcatgtgt tgaacccgct 420

gatataccag ctcaccagtc aacggtatcg gcgcaatatc atgctctt 468

<210> 5664

<211> 465
<212> DNA
<213> Glycine max

<400> 5664

gctatcccta ttgaactgcc atcatcaagc atgcttttat tcgagtttct tcatcactca 60

cagtataaaa cacctccaac agtgaaggga gtttttcctt attcaatatt tgaacccgaa 120

cccgaatatg atcgtactca tgattcaagc ccgagagaaa cttaaagatt ctctcttgct 180

caataaactg agccaatgca acggagtcag cattgcattt gcatgtcatc ttcaaattct 240

gatattggtc gaactccatc cacaagccac tcaaggtttc ataatattct gtcaccgaga 300

ggcttccttg cttagtcata aagatctggc tttggatctc atgacagaca atgatatcat 360

tctttacata gtatatgctg gcaaggttgt cacaaatttc tcgagcaccg gataaatatt 420

gaatgacaat ataccatgta tatagtaaat acttcaaaaa tgatg 465

<210> 5665
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5665

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ttattgacaa cctcagtaac tgctaccata tcctcatctg caatcatgta aagagatcct 120

cgcttctttc cacgagccac aatgagattg gcctttgtta ccttccaagc ttcatctcca 180

aaagtggtgt gatgtccctc atcatccaac tgccctttag atattaaata tctctttaag 240

gcatgaatat gtctgacatt gcgcaatgtc catagggatc cactggaggt cttgatgttg 300

atatcacctc ttccgacaat gtcaagagaa tttccatctg caaggtaaac tntcccaaac 360

cttccagaaa tatagttaga caataaatct ttagagggag tagtgtggaa cgacacacct 420

gagtccatga tccatgaatc aacaggacta tccannactg caaataatgc atcatcaag 479

<210> 5666
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5666

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ctattgtttc tctcggctac tccattttgc taaaggaaat taggacatga tgtttgatga 120

agaataccaa caaatttcat aaanaatttc aactcatttt tgtattatcc ccttcattat 180

tagacctgac tatctttatt ggagtattaa attgtgtggt tatcattttg tgaaaaactt 240

gaaaaacatt acacacatca tttttgcgtt taagaaggta taaccaagtc attcttgtac 300

aatcacccac aaatgtcaca aatcatcgca tttcattatg tgtggaaaga gggacaagtc 360

ctcanacatc atagtgaata atatagaagg gagcataaac tttattgtta tttatagaaa 420

aagtaacgcg atgacgtttt gtcattacac aagantcaca ttt 463

<210> 5667
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5667

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agtcattggg ggacctttta agagcatgtg tcttagaaca aaaaggaagc tgggagagtt 120

ntcttcaatt gatagagttc acttataaca atagttttca ttctaccatt ggtatggctc 180

cctatgaagc tttgtgtggt tgaaggtata gaacacccct atgttggtta gatctcggag 240

aaggcctcac ctcaggacca gaagtggtac aacaaaccac tgagaaagtt aagttaattc 300

aggaaaggat gagaactgct cagagtaggc aaaaatgtta tcatgataag aggaggaaag 360

atctggaatt cgaagttggt gatcatgtat tc 392

<210> 5668
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5668

ntgatgcaac agttggagag gttaatggaa gaaggagatg atgcgctcca tgagaggttg 60

gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatgat 120

gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctctctt taaaggaaag 180

aatgatccag aggcctactt ggaatgggag atgaaaatag agcatgtttt ctcatgcaaa 240

aactatgagg aggaccaaaa ggtcacgctt gccgccacgg agttttccga ctatgctctt 300

gtgtggtgga acaagctaca aaaggagaga acaagaaatg aagagtcaat ggttgataca 360

tgggcggaga tgaaaaggat catg 384

<210> 5669
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5669

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agatgatggt acagcgggtg aaccagaagc tgcagtttct tttggtgagg tagccatgga 120

aaagcagagc gtttggaatg atttcgtaaa tctcagaaaa ctattgngaa atgctggaga 180

taacacgaat gccaagcaga tattaaattg aatgaagaat gtagaggggt gtgtgaagca 240

acggtcgaat ttgctttgta gtgaacgtgc tattaatgtt aagtgattcg tttgggcacg 300

ttcagatagc agtagctgct ataattcctc tagcagacaa atgcccagct tgccctcagt 360

tttcaactga tttgcatcaa gcctttggaa atatc 395

<210> 5670
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5670

tgtcaaaaag ggaagcaagt taaaaactct tttgaaagta aattaaatgt ttctacttca 60

aaaccccttg aactacttca cattgatcta tttggtccct ctagaacaat gagtttgggt 120

ggtaattact atggcttagt tatagtagat gattactcaa ggctcatatg gactttgttt 180

taaccaaaaa tgaagctttt ggtgcttttt aaaaacttgc caaggtgatt caaaatgaaa 240

aaggtctcaa cattgtttca cttaaaagtg atcatagagg tgaatttcan aatgagtctt 300

tttgaaactt ttgtggagaa aatgga 326

<210> 5671
<211> 387
<212> DNA
<213> Glycine max

<400> 5671

agcttatgtt gcaaacattt tacaatatat ccctctcaac ctcagtagca aaatcagcca 60

caacatagta attatgacct ttccagcatc aggtacaatc ccgagtggag gaatcatccc 120

aaccttaaat aggtgaatcc ttaacaacag caacaacaac aaccttattg taaaaatgtt 180

gttggcctaa gcagaccata cgtgcctcca ccaatctatc agcaacaaca acaacagccc 240

cagaaacaac aaacagttga ggcttcttcg caaccttccc ttgaagaact tgtgaggcaa 300

atgactatgc aaaacatgca gtttcaacaa gagaccaaag cctacattca gagcttaact 360

aatcagatgg gacaattggc tacacag 387

<210> 5672
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5672

ctaagctnga aaggattatg nacttgacct tgagtccaag acatttacta aaatttagct 60

ataaatcaac taatgaaagt gctcaaaagg gtatatacaa ccctccaaac ttgagcctaa 120

ggataaatga agtttaaagc taaataactc agaaagatat acatgtctcc aaccttgaga 180

cttaaagtaa ataaagctta aaattgagct acaagtaagc taaagtactt aaaaagatat 240

atagtaaaaa aaaatgtaag aaaattaaat gagctataat acaattaaaa tgaataatca 300

aaccataatt taagtctagt tatgcttttg ttattaaaaa gtantaattn tagcantttt 360

atatttatta aataaattat acgagtctca ttaaaataat taaagcatat ttcctagtct 420

ctattaacaa gatcaaataa acttttacaa tatt 454

<210> 5673
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5673

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acttgatcac ttgttgaaac tggtagtagc tttagagtgc ccttcaaaag cttctctcgc 120

acaagatggc aatcaatttc caagtgtttt gtgcgttcgt gaaaaaccgg atttgaggca 180

atgtggactg cgctttggtt gtcacagtaa agagttggag ttctggtaag ctgaactctc 240

aaatctgcaa aaagatacaa cagccattgc aactcacaag cagctgaaga cagagccctg 300

tactctgctt ctgaagatga tctggacaca gttgcttgct ttttagcacg ccatgacact 360

aaagatttgc ctatgaagaa acaatatcca gatat 395

<210> 5674
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5674

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cataaatgtt attgcctagc gctattcatg tgtcctccac cttcgagttt ggagctatgt 120

ntcatgattg cctaagtgcg gaccctcaag gaaatcctcc attctccccc tttttcggag 180

ccccatgaat gttattgcct aacgctgttc atgtgtcctc caccttcgag tttggagcta 240

tgtttcatga ttgcctaagt gcggaccctc aaggcaatcc tccatcctcc ccctttttcg 300

gagccccatg aatgttattg cctagcgctg ttcatgtgtc ctccaccttc gagtttggag 360

ctatgtttca tga 373

<210> 5675
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5675

ttgaatagga gtggtgcgcg gngtatatgt tccatataca catctttatt gagatttcca 60

tgaaggaata cattataaat gtcaagttgt tgcaaggacc attgatttgc tgcagcaatg 120

gtcaaaagta acttaattgt gtttaccttt ccaattggtg aaatagtggc aaaagtagtt 180

gataccttgg gtttgagtga atccacgaag catagctttg agccaatacc tttattntat 240

gttagactat ttattttaac tattatgata attaacataa taaaattata atgtctactt 300

aaatatatgt ttcttacttt attttaaac 329

<210> 5676
<211> 267
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5676

agcttgaaat tgaacaactt atgctctcta ctatntcgaa agggcatagc tttttactct 60

gatgtcctat tcggagacat gactcattta tacacttgaa attgacaacg gaaactctct 120

gaaaattctg atgtgcataa cactttcctc tcatgttctg atcgaggaca taactttatt 180

aaacgctcga atttgaacaa ctgaatctct cgagacatct gaatggcata acatttcact 240

cagatgttcg attcggggat attattt 267

<210> 5677
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5677

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taactaaatt cagggcttgc attcccttaa tcctttcatc tccttcgtat tcattcttaa 120

ggaaactcca gatttcatat gcctgattga tggtcattat tctagtgaaa atttcttttg 180

agatagcagc aaataaagaa gctcttgcct ttgactntct tgttttcctc tccttttaat 240

tntttatctg agtcattgtt ggattggttg gtaaaggaag aacttcgtag tcttcctcaa 300

ccgcttccca gagatcattt gcctccaaat gtgcctccat ttttgctgcc cagatttcat 360

gattatcacc atcaaacat 379

<210> 5678
<211> 372
<212> DNA
<213> Glycine max

<400> 5678

tactcaagct tctggtggga catcttgact tgctttttat ctgacattct ttatagattc 60

tgccctcttc tattttcaga ttgggaatgc ctctaacagc acctttgtca atgattatct 120

tcatgcctct taagtgcaga tgtccaaatc tttgatgcca tattttgact tcatcttctt 180

tggagaatag acatgtggag gagtaactgg tttcttgagg tgtccatagg taacagttgt 240

cctttgatct gctgcccttc attaagactt cactcttctc atttgtcacc aagcattctg 300

actttgtgaa gtttacattg aatccttcat cacacaactg actgatgctg atcaagttcg 360

cagtcagtcc ct 372

<210> 5679
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5679

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tataataatt gcatccttta actataaaca ggacaaaagt atccttttac atttgacaag 120

gtattaaatc atgaggcatc tcagcaagat gtttcactga gatatcacaa ttggtacaaa 180

gtgcgcttga tgggtacaag gcgattatta atttgtgtct tctttgttca agttaccttt 240

tgcaggtcaa aaatctctta cattggatac aactattggt atgtgacaat tattattttc 300

tgagaagcag tggctactgg ttgatcattg gcgccaattc ttgtatgtaa tatactagag 360

tattaatatt aatatacaca tctttaactt tctcgattat 400

<210> 5680
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5680

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caagaatggt aaggaaaaca tagtggttga tgctttatct agaaggtatg tttttcttac 120

ttctttgcaa actaaattgc ttggttttga gtttatgaag gacttgtatg ctaatgattc 180

tgaatttggc aaagtatggg attcttgctc taaacatgtt tttaggaact attatagatg 240

ttcatgtttc aaaaaaaaaa gttgtgtgtg tctgtgttcc ttgcatgaaa tgttagtttg 300

agaaatcatg gtggtggaat gatgggacat tntggtgtga aaaagacttt ataaattctg 360

gataagccat tttattagcc tagcatgaag catgatgtg 399

<210> 5681
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5681

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agtcgttgga ggacctttta agagcatgtg tcttagagca gaagggaagt tgggagagtt 120

ctcttccatt gatagagttc acttataaca acaattttca ttccaccatt ggcatggctc 180

cctatgaagc tttgtatggt agaagatgta naacacccct atgttggtta gagctcggag 240

aaggcctcac cttatgacca gaagtggtac aacaaaccac tgagaaagtt aagttaattc 300

aggaaaggat gagaactgct taaagttggc aggaaagtta tcatgataag aggaggaaag 360

atctggaatt cgaagttggt gatcatgtat tcttgagagt cacttcatgg ac 412

<210> 5682
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5682

cactctgaaa ctcagctatt cagatgctac tgacaaaggc agtggttttg gttttttcag 60

cggnccattc tgctgcccca ggataacaag ggctaatagc tacaacagta ggactaacat 120

gcttaacagt aaacagaaca cagccaggtg atgttggagc acaagagaag gccacaatct 180

ggtatgtcat ctcacatctt ggcagtttga tcagctcccg agtaaaggga taaagaagaa 240

tactcggtga gttctgggcc ggtatagcaa taaccaacca tcttttgtat aacaaactct 300

agatccattc aactctggcg actcgaaggt gagtgtctta tgctgcacag ggtcatagaa 360

ttcataacag gcaccgaatt ttgga 385

<210> 5683
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5683

agcttaagct ccttcaactg tacaaggctc ttattatttg aagagtatcc ttgnggaacc 60

ttcacccgac aaagacactg acaaaaactt atcttctcct ttttggacaa agtatgacaa 120

gctgggggcg aataaatttt cttcccatct gaccttggat gcaactgtga tcatatgccc 180

atctcagcta gatcatgacg ggtattcgag ccatccttcg tcttgccttg aatgttaacg 240

agcgtaccaa tgacactgtc acatacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgtcta gatgatacca gtgcggaaga tcaaagacaa tggacttctt cttccatatg 360

caagtcgtac tttta 375

<210> 5684
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5684

attgttcaat ttcgagcgtc tcttatatna cgcgcctgaa tcggacgtcc gagngaaaag 60

ttatgaccat ttgaattcct caagagcttc cattgttcaa tttcgcgcgt ctcgatatat 120

tatgcgcctg aatcggacct ccgagtgaaa agttatgacc atttaaattg ctcaagaggt 180

tccattgttc aatttcgagc gtctcgatat attatgcacc tgaatcggac ctccgagtgg 240

aaggttatga ccatttgaat tgcttaagag cttacattgt tcaat 285

<210> 5685
<211> 387
<212> DNA
<213> Glycine max

<400> 5685

tctcctcatt gtagcattat ttactttcgg ctctttagca ttctcaataa attggctccg 60

atagcccata gaaactatac aacccaatgc aattgctctg gcctctagca attcgctatt 120

tgcactcctc ctaattatat atatcccgta atttctatca ctattcatta ttttatttta 180

tatttaatta catgttttaa tatatcaaga gagagaatga taatttatta aattaaaaat 240

atttttagtg atgttatgtt aaatagacta cataatatta catttttca tcataagaga 300

tgaaggataa tataatattt gtatctttca cagataaaac aagtgtaatt tattttgttt 360

actataaaag aatatagtat gactact 387

<210> 5686
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5686

agcttatcat tgataaaagt ttatgattta ctatttgata ctattagggg gttgntcgaa 60

gaacctgccc ataatntaag attccagcag aagggttaat ctctaagttt ccatagggaa 120

agatggatcc ttgtgaaaac ttatctccct ctgcacattt catgacatac atgtaatctg 180

ttggaactag actaaatcca agctcatccc aattaatgtc agcatagntt tccccagcag 240

tactgatttt cagacaaaag agggtaatca aagttcagat tcanaatcac caataaaacc 300

aagttcatac attattatct actagtacaa taacattgtc gtactcatca aaaattaaat 360

accataacat tttcgtattc a 381

<210> 5687
<211> 437
<212> DNA
<213> Glycine max

<400> 5687

agcttgctga tacaattatt aggggattgt ttaagtactg gcttataaca aatagtccaa 60

aggaggttat gttcctgggt gagttggaag aagtcttgga agcaactcaa cccccagaat 120

ttcagcgttg tatggagcca ttgtttcgtc gcattgcacg ttgtttgaat agccctcatt 180

ttcaggtttg aatttttcaa tactttcctc tggctccttt tctgtttctc ctcttatttc 240

atgatgaaaa tacacctgaa tttcaaatta attctctctg gcaacttcct tcatactgat 300

tacctgaatc ctatatctca attcacttcc tctagttgat aagttggttt aattagcaag 360

aaaaggacta acctttttgc atcatcctat agctaaatgc atattggctt atggctttga 420

agtgacataa tatcaat 437

<210> 5688
<211> 411
<212> DNA
<213> Glycine max

<400> 5688

agcttgaagg taaactagat gccttggtta ttctggttat cccaactggc catgaatcaa 60

aaatctgcac ctatcaccag actctgaggt ttatgctcct ttgccgacca ccacacagac 120

ctttgccctt ttgggcaaca atctgaagca attgaacagc ctgaagctta tgttgcaaac 180

atctacaaca gacctcctca acctcaacag caaaatcagc cacaacagaa taactatgac 240

ctttccagca acaggtacaa tcccggatgg aggaatcatc ccaaccttat atggtcgaat 300

ccttcacaac agcagcagca acaacaatag acttattctc aaaatgctgc tggcccaagc 360

agaccataca ttccttcacc aatccagcat caacaacaac aacaacaacc c 411

<210> 5689
<211> 447
<212> DNA
<213> Glycine max

<400> 5689

agcttccatc aactgcagct gcccaaactt ttctagtatt caattacaac atattataat 60

cgattacaga ggcttgttct atggtaatcg attacaggga gtagtaatcg attaccagac 120

cctaaaacat ggatttttca ttaaaactaa ctatttttca cccacaaaaa catacacatt 180

tagtataaat aatgaaaata tacaataata aaaaaacaag tatcaaaagc aatcaataat 240

catcataact ctcaaacaca ttcatcaaag acaatccaaa tttcaagatc aaacaacaat 300

taacaatcat cataactctc aaacacattc atcaaagcaa tcaaaatttc aagaacaaac 360

aacaatcaac aatcatcata actatcaaac ataattatca aagacaatcg aaactcaagc 420

gaaaacaatc attaaacctc aatcaac 447

<210> 5690
<211> 399
<212> DNA
<213> Glycine max

<400> 5690

agcttggtta tctccttctt cactacatca ttattcaccg ggttgagtct tctttgtggc 60

tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120

ataccaggaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaactgac 180

aacaacttct cctcttgctc atcagcaagg gaggcagata taatcactgg aaaactcttg 240

ctatcatcca agtaagcata ttttaaattt gatggcagag gcttcaattc tggtgtggtc 300

ggctggacag tggttgaagg agatggtttc tcagccttta cctcataaag aaagtcagag 360

gtatgtgtac ttcctgaaac attggtagtc ctatctgac 399

<210> 5691
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5691

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agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gaattgcttc acaaagcaat 360

ccaagtggag caacaattaa aaaggaaggg agt 393

<210> 5692
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5692

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gccttagggt agatttcggg cccatgggct aagtatgagc ctgcttatct ttgtacatat 120

tatattaagg tttcattatt ttttggccat gtatttaggg ctccataata tagataagat 180

accctagaaa tgtaggattt ttcagccctt gtattntang gcacctcaac tagattttgt 240

attaagggta gttntttaat ttcacatgca ttaagtgatt atttgatgtg ntgtggtgga 300

aaataaatta aatgaattgg gagaagtcca atccaattaa atttt 345

<210> 5693
<211> 391
<212> DNA
<213> Glycine max

<400> 5693

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aatttgtacc tgtcgcaaga gtctgtggtt tatgctcccc taccgaccac catacagacc 120

tttgcccttc tatgtagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaaca 180

tttacaatag acctcctcaa cctcagcagc agaatcaggc acaacacaac aattatgaca 240

actccagcaa caggtacaat cccaggtgga ggaatcatcc caaccttatg tggtcgagtc 300

cttcacaaca gcagcagtag caacaacgac aaccttatgt tcagagatgt gctggcccaa 360

gcagaccatg cgttcctcca ccaatccagc a 391

<210> 5694
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5694

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gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120

gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180

aatgatccgg aggcctactt ggagtgggag atganaatag agcatgttnt ctcatgcaac 240

aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300

gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca 360

tggacagaga tgaaaaagat catg 384

<210> 5695

<211> 343
<212> DNA
<213> Glycine max

<400> 5695

agcttgacaa ggagccatac caatacaggc ctggtagctt ttgtccgaag caaactcaag 60

caatggcgaa caatccatcc agctaccttg ttgctctata atacacgccc gaagtagatc 120

ctctagagtc tgaatagttc gctcagtctg accatctgtt tgaggatgat aagctgaact 180

aagcttcagc tttgtcccca aggcttcatg tagacttgtc caaaatcgcg aagtgaacct 240

tggatccctg tcagatacaa tactagaagg aattccatgc aaccttacta cttccttgat 300

atacaactcc actaactgtt ccattctata cctcatattc act 343

<210> 5696
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5696

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agttattgta gtttgaattt gctcanggct tcggtattcc atttcgagcg tctcgatata 120

ttacgggact caatcggaca tccgagtaaa aagctattgt cgtgtgaata ttctcagagc 180

ttctgaattc catttcgagc atctcgatat attacgggac tcaatcagac atccgagtag 240

aaagttattg tcgtttgaat ttgctcacag cttcagtatt ccatttcgag cgtctcgatg 300

tattacggga ctcaatcaga catccgagta aaaagttatt g 341

<210> 5697
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5697

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gcgcaaaatc tctagaacta cgaagaagtt gtccatcatc tttttgctct taatgaaagc 120

agcttgactg tccctaatta tcgtctcaag cactgtggct atgtggttag ccagaatntt 180

aaatacaatc ctgtataaca aattaccgcc tgatattggt ctaaaatggt taacctgtga 240

ggcctgatca tgcttaagaa taagcccact aatagcatgg ttgaactgct ttataattta 300

tccagttgta aacatttcat taaccgctgc atagatatta ccaccaatga 350

<210> 5698
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5698

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ttcttcttat atgggatccc tctagccttt tgctgacact tcttgacctc acgcaggtac 120

acccgaatgg ctcctcctcc aaagggatta gtctctggcg atccgccatg ctcctcatan 180

gcagcgcgaa accggcctat gagggcatcg aggctacccc atgcttgcct gagagggcan 240

gcacanggtg cangaggggt gggctggcca aagaagatgc aaccgtgcaa gtggaccttg 300

gttttccaaa ttgatcgagg taccgaagga aatccaacac atggttgaag ttgcactgag 360

agagtggaac tgggggactc 380

<210> 5699
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5699

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ttcttgacgc taganattga atacagaagc tctcaccaaa tttaaatgac aataactttt 120

tactcagaag tctgattgtg tcccgtaata tatctagatg ctcaaaattg aaaacagaag 180

ctctgagcaa attcaaacga caatagctnt tgactcggat atccgattga gtcatttaat 240

aattcgagac gctcaaaatt gaatacagaa gctctaagca aattcaaatg acaataactt 300

ttgactcgaa tgtccgattg agtcanttta taanttgaga cgctcanaat tgaatgcagg 360

agctctcacc aaatttaaat gacaataaac ttttactcag aagtctaatt gtgtcctgta 420

atttatcta 429

<210> 5700
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5700

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gatggagctt tcaaagggca aggaggtatt actggttgtg gtgggctttt taggaatata 120

aatgggaagt ggatttgggg ttttttccaga aacttangga aagaaagtgt ctttgttgcg 180

agctgtgggg ttnttttttt caaaggcctc aagttgttct tcataaaggg attgataagg 240

ttactattca agtagattct aaagttgttg ttaaagctat aaatggcgac aaagtgggga 300

attttngttg gtggatat 318

<210> 5701
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5701

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tccgattcgg ggaaataata tatcgagacg cacgaaattg aacaacggaa gctctcgaga 120

aatttgaatg gtcataacat ttcactcgga tgttcgatcc ggggacataa tttatcgaga 180

cgctcgaaat tgaacaaccg aagctctcga caaattagaa tggtcgtaac ttttcacgcg 240

aatgttcgat tcggggacat aactcatcta gacgctcgaa attgaacaac ggaagctctc 300

gagaaatttg aatggtcata agttttcaca cggatgtccg attcgggaac ataatatatc 360

aagacgatcg anatngaaca acggaagctc tcgagaaaat cgaatggtca taacgtttca 420

cacagatgnt ccgatcgggg acat 444

<210> 5702
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5702

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ccacgtttac cagtggccca cacttcatct ccaatagcat ctactaatgc ttcacctccc 120

ctggttgctt cacccaggat aagtgagctt catgaacttc ctagacctcc tggtaatcaa 180

tctagcaagc cacgagcggg tcactctgct ccattagtat taaaaaatcc aaaagctgcc 240

atgactaata aatttccttc agttgtattt agtgcagcat ctccactctc aactccacct 300

gtctctcgga gtttctctat accttctagt ggtcagagag ttgtggcatt aaatgtctct 360

tatactaacg tattggatac tcnccaagat tcaaaggttg aataagacgt gtcaacctca 420

ctaacaccca tgtcgcagag agcatctaat atatc 455

<210> 5703
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5703

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caaagtcctc caaaaatggc ttaggaactt agagtcccta tcactaacaa tgctccttgg 180

caaaccatgg agtctcacaa tctccttgaa aaacaaatca accacatggg aagcatcatc 240

aactntctta catggaataa aatgagccat tttagaaaac ctatcaacaa ccacaaaaat 300

ggaatctcta ccattgcttg tttttggcag ccncacaaca aaatccatgg ataaatcaat 360

ccaaggatac tccggaattg gcaatggagt atacaatcca tgaggctcta ccttagactt 420

ttgcctttta catacaatgc aatgttcac 449

<210> 5704
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5704

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atgatgctct ntgactgaga gtaagcatga cacttttta ctggatagat caccaagttt 180

aatcttatag agatttcctt gtctcttagc agagaagagt gaagacctat ccttgtgttg 240

gactatacac atatccttaa taaaggtgac attatatcca ctatcacata attaacttat 300

gcttagtaga ttatgcttca atcctttaac aagcaacaca ttttcaatat gaggatagag 360

agggatacaa atcttactga cactagttat tcaaatcttt tgattccctc caaaagtgat 420

cgccccatca gacat 435

<210> 5705
<211> 445
<212> DNA
<213> Glycine max

<400> 5705

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ggattaattc ctcatcaact aggaaacctc tcagacctgc agcaccttag tgctggatac 120

aattatgctc ttcagataga caaccttaat tggatgtcaa ggctatcttc cttagagtac 180

cttgatttga gtggttcaga ccttcataaa caatggaact ggcttcaagt acagagtgca 240

cttccatctc tttcataact acacttggag agctgtctaa tcgataactt aggaccacca 300

aaatgaaaag ccaactctac acatctccaa gtgcttgatc tttcaattaa cagtctcaat 360

caccaaaacc attcatggct atttaatctc agcacaactc tctgtcaact tgatttacac 420

agtatccttt ctcagggaca gtgat 445

<210> 5706
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5706

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tcattgcttt caaagtttca tggccttgca ggtgaagacc cacacaagca tctgaaagaa 120

ttccatattg tctgctccac catgaaacca ccacatgtcc aggaggatca catatttctg 180

aaggtctttc ctcattcttt agagggagtg gcaaatgact ggctatatta ccttgctcca 240

aggtccatca cgagctgnga tgacctcaag agagtattct tagaaaaaca atctccctgc 300

ttccaagacc acagccatca gaanagatat ttcaggcatt agacaactca tgtgagagag 360

cctatatgaa tactgtgaga gatataaaaa attatgtgtt agttgccctc accaccagat 420

ttcatagcaa cttctcctcc aatatttgta tgaatgactc accaacatgg agagaagtat 480

gatagatg 488

<210> 5707
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5707

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tccccaaatc cctgaaaaat gtaaagatct aggtacattc agcatacctt gtattatagg 120

gaacaataag tttgacaatg ccatgctaga tttaggagct tctgttagtg ttatgcctct 180

gtctattttt aattctctat ctcttggtcc cttgcagtca actgatgtgg taattcattt 240

agctaataga agtgttgtat atcctgctgg tttcatagag gatgtcttag ttagagttcg 300

tgaactgatt ttccctgttg atttttatat tttgaatatg gaggagggat tctctaaagg 360

ctcagttccc atcattctat gcagaccttt tatgaaaatn gctagaacta agatagatgt 420

atatgcacgc acactatcta tg 442

<210> 5708
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5708

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taatgttagc atatgtgata ctctccatat aagtatactc ttcagctctc tttggggatt 120

gacttacact tagtttgaat tgatcatata taggtgtcac aataggccaa cttcgaattt 180

gacattccaa acctttcaat aaatttattg aggtatgtct cttgagatag atacaaaatc 240

ttcttctttc tatccctttt gatttccatt cccaatattc tccttgttgt cccaagtcct 300

tcatttcaaa ttccctttnt aactcanctt tgaccttggt aatttcggcc ttaccgntac 360

ttggtattaa catgtcatca acatatagca gtaggattac aaaggtacct ttattccttt 420

tgaatagcca ttttcaattg actacccttg aaccaatggg ctttttgata aactcccatg 480

tattt 485

<210> 5709
<211> 444
<212> DNA
<213> Glycine max

<400> 5709

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cccattgtat gagagtcttt ctcgatcttt ctatagctaa ctgggtgtag gtaggattat 120

attattaaaa tataattcta tttttgtatt atgtatagaa acttacactt taaaaacaag 180

aacgagaata tcatatttat ttgaccaatg attaaatatt cattcaactt atttattatt 240

tttaaattaa gtatacgatt gcattaaata attagttagt ttgttacttc gcgaaaataa 300

aatacaaaaa ttcacaatta actataagtt tcccctacta tgtatcattg acacaatttc 360

aaagttccaa tttcaaatgg atgaatcatt aatcattatc aatgatgtat tatatgggaa 420

gtagactact tcaagtcgtt ttaa 444

<210> 5710
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5710

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caaaaagtta ttgtcatttg aattctgtgt attcattttt tagcatcaag aattattaaa 120

tgactcaatc ggacatccga gtaaaaagtt attgtcgttt gaatttgctg acagcttttg 180

tattcaattt cgagagtctc gaattattaa atgactcaat cggacatccg agtaaaaagt 240

tattgtcatt tgaattttct tagagctttt gatttcaatt tcgagcatct agaattatta 300

aaggactcaa tcggacatcc gagtaaatag ttatggtcat tttgaattgc ttagagttac 360

tgttctcaat ttcgtgcgtc tcgatatact ataggactca atcggacttt acagtaaaaa 420

gtta 424

<210> 5711
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5711

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ccactatcat tgttatcatt tccctctcca tcngtggggg tgctacttaa gctgccagat 120

ccctccacct ttggacgtat tctttgaaag attcatgctc ccttttgcac atgttctact 180

actccattct atccggagcc atatcagaat tgtactaata ctgcctaatg aaggcaacca 240

ttaggtcttt ccaagaacgg acctgagaag gttccatatt attataccag gggatggcta 300

ccccagtaag actttcctgg aagaaatgca tcaacaattt ttcgtctttc gcgtatgccc 360

ccatttttcct acagtacatg ttcaggtgat tcttgnggta agtagttccc ttgtacttat 420

cgaaatccag caccttaaac tntggagaaa tgaccacgtc aggcactatg cacaactctg 480

ccatgtca 488

<210> 5712
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5712

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aaacttcata ataatatgaa agataaattt tttatttaat acttgttagt atatattgaa 120

aagaaaactg ttgaaattag taatttttga ttatttttgc aacatataag aaaggtgtta 180

tgtgtgcttt ctttagtgat acgatgttac gtgttttaat agactaataa tgtaatgtaa 240

cattgaaaca tcaaattata aatattttgt ataaaaatta atggtatatt tttgttggat 300

gtatttattc agcacaaaaa tttattggat gtgttttaat ttttgtgaat ggccctccct 360

gtcttctcag tctagggtgc ccttgcaaga catcattatc caatggccgt tttaacatgt 420

cttaatttaa ttatttctta taa 443

<210> 5713
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5713

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catttgctgc ccaagtttca tggtcttgca ggtgaagatc ctcttaagca tcttaaggat 120

ttccatattg tttgttccac catgaagccc ccagatgtcc aggaagatca tatctttcta 180

aaggcttttc ctcattctct ggagggagtg tcaaaagatt ggctatacta ccttgctccc 240

aggtccattt ttagctggga taaccttaag agggtgttct tggagaaatt cttccctaca 300

tctaagacca ctgccatcag aaaagacatt tcaggcatct ggcaacttan tggagaaagc 360

ttgtatgagt aatg 374

<210> 5714
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5714

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tataattaga caatgtttca tttaaataaa attttatttt tattctattc tactattgtg 120

aatttatttt tcattaatgt tctcactcac ggaaaatata ttatgacaat ttgatgtgaa 180

agtgaaacta gtttgtcaag tttagtcaca gttaatattg tggagctttg tagaattata 240

ttaggtaaac cactagcata tatgatacat gatattgtgg catgtatatt ttatatattn 300

tgacaagtaa aaagtacaca attgcttccc ctaatttcta ttcctcanat tataccctcc 360

attttcatga aattcaaaca aggtgtatta tagtatagtt ntaccgtact atcttctgtt 420

attnttatac tntgtacaac aatagttagt acgtta 456

<210> 5715
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5715

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tatggcgtcc tgctaatgtc cttaatatct catgtgctaa atggttttta accttcatag 120

atgattgtac tcgagcaact tatgttttct tattaaaata aaaatctgaa gtcagctttg 180

tttttattca gtttgtgtca atgattanaa accaatttgg agtcaatatt aaaagaatta 240

ngtctgacaa tgccagggac tactttaatc ttgtgctaaa atcttnttgt caaaaggaag 300

gaataatcca tgagtcttta agtgttaaca caccccaaca aaatgggatt gcagcaagga 360

aaaatgggca cttattaaac caaactagag ccttgctttc taaaantata tccctaanaa 420

antatggngg gaagccctcc tttactgcac ctacctaatc aatatatta 469

<210> 5716
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5716

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aatggtccaa aacaatattt aacgacggtt gttgaccgtc gtagtacata tattgtaaaa 120

agtgttaatt ttcaacgacg gataagaaaa taccctctta aaaaattgac aactttcaac 180

gacggataag aagatattga cttagaaaac tgacaacttt ctaagacgat gtttacttag 240

aaagacaact tatttttaat tattgatatt ttttttaaca atatcccatc ataaaaaata 300

tgaataatta aaaataatct ttattaccat aactttaatt aatattatca taatattaat 360

taaaatcatg acaataaatt aattaataat taaaaatgta tgatcataag tcttttggaa 420

ggtagtcaag agtaatatgt atccaacata cattaattaa aanatgaacc tccatctaat 480

acag 484

<210> 5717
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5717

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agatgatatt atagaatctt tagaacaaat gcacattcat ggacaagatt ctaaaggaaa 120

agaagaagga agcaataaag atcctccagt agaagtcaaa gcaaataatg atcttccaag 180

agagtggaaa gcttaagaga tcatcccctt gacaacatnt ttggtgacat ctcaaaaggg 240

gtaacaacta gacattctct taaagattta tgcaataata tggcttttgt gtctatgggt 300

gaacctaaaa gtataaataa agccataata tattatcatt ggatagttgc tatgcaagaa 360

aaactaaatc agtttgagag aaacaatgtg tgggaactat tataacaacc tgaatactac 420

cccatcat 428

<210> 5718
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5718

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tgcaacaaca tcctgtttct tagagcacca ggagatggga gcacctccaa acaataaaac 120

atgccccatt atgctttttc tgtcaagaac atctccacca cagtctgagt ctgaataagc 180

cacaagttgt ggctcaacct tctctttcta atgtggaaat agaacaccaa agtctagtgt 240

gctctcaagt atctcagtat ccttttagct accatcatat gtgaatgtct tggatcactc 300

ataaacctac tgataactcc cacattgaaa gtgatttctg gtctggaatg acaaatgaat 360

ctgagactcc caacaatttg cctatacaag gtacaatcca ctacagggtc agcttcacat 420

ttacccaatt ngcaactca 439

<210> 5719
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5719

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tggatacatc caccgtaaaa agaagaacag gaccacatat ccggatctcc ctgactagat 120

gaacaattaa gtgatccatt atgtcccaca atgatggtgg acaatacatc tccaattgac 180

aaaggacagt gacaacctca ttctccaaat catctaatag tcaaggggca atgactgtgn 240

tacagatagc attaaaaaga aagcacatac cagttatggc aagcctaact ttgtcaggca 300

ggataccccg catcgctacc actcaatatt attgcattaa cacgtggcta tcatgatatt 360

tcaagccaac caacttcata tcattgaggg ctacaacgat cttgatatta gaatagtatc 420

cttgtgggac tctacactcc atagacattg acaaaaactc atcttc 466

<210> 5720
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5720

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ttctctgcag ctaccatact cagaataact ctgatggtag taatctttac cactggagag 120

aagatctctg tgaaatcaat tccttgattc tgttgaaacc ctttcactac aagtctcacc 180

ttgtatgact ttctacgcgt cagatgctta ctttagccta tagacacccc ctattttgta 240

tcgctatctt ttcttatacc aatataatta aacaccacgt cttattcttc gtaagggatg 300

tcatcacatc tatcattgct tgctcccact caatatacan gttcccctgc atc 353

<210> 5721
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5721

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gggttcaaag atgatgacaa anatcccaag agaatgattt caagattgag tcaagaataa 120

ttcccaagag aatgatttca agattgagtc aagaacaatt caagaatcaa gagaaatttg 180

atttcaataa tcaagaatca aggataatca agatcaagat tcaagaatca agagaagact 240

caatcaatat aagtactaaa aagtttttca aaacattgag tagcacatga agttttcaca 300

aaatctttta ccaaagagtt tttactctct ggtaatcgat tacagtaaac tggtaatcga 360

ttaccaatgg caaagtttgt tttcaaaagc tntcaactga atttacaatg ttccaattaa 420

tttcaaaatg gtgtaataaa ttacaagata ttggtaatcg attaccagt 469

<210> 5722
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5722

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ggatggcctt gattttctca gggtccactt ggaccccatt tctaccaact acaaaaccta 120

agaaaactat attatctaca caaaaggtac acttctctat ttttgcatag agggtgtttt 180

tcctaaggac tgaaagaact tgtctgagat gtcctaagtg atcatctagg ctcctactat 240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300

gatgcataag cctcataaag gtgcttggtg cattaatgag cccaaaaggc atcactagcc 360

attcatacaa accaaacttg gtcttgaaag cagtattcca ctcatcaccc tttttcatcc 420

tgatttggtg ataaccactt ctaagatcat attttgaaaa gatattggca ccatgcaact 480

catc 484

<210> 5723
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5723

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agttgaaaaa atttacccga gatatagtat ctagtgaagg agttccaagc agatctgtca 120

tcagatccaa ttgatgaact acatttttcc caggaaaaag tggctttcct gttagtactt 180

cagcaaagat gcaacctata ctccatatat caattgctgg tgtatactgc atcaagattt 240

aaaaaaagtt agacctacag aaagtgaata tgaaaactgg aaccatttta aagtgtcact 300

ttacaaccaa ataaaattaa aaagttcagt atgaaactat gaactaattt tagcagaagc 360

caatacacac gcatgaatcg acatttatca caacactaca acattntccc ttgatgctcc 420

acaagaaata cagccccaca tttacaacac ttaatgagtg aattcaatct taactaccct 480

atagact 487

<210> 5724
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5724

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agttatatat ttatctaaca ctatacaata ttgattatat cattgaaata ccatacgtaa 120

aatcataata tctatgttaa tggatcaatt tttattgcat agaaattata ttaatgaaac 180

acgtttaact atcaatagtt ttttaacatg tgactgttaa gttnaaatag atanaattct 240

atngcaaggg tgtccatgtt gaaagaaggt ctcatcatat aaggtaaact aggtttaaaa 300

attatattag atactaatac acgatgatat atatatatat aatagaatta tggcngatga 360

cttacttata ttttttcnntg attacccaat acaccaataa acactaatta ataaacaata 420

tgaaatatat a 431

<210> 5725
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5725

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gctagagctt agctacacac cccctataat agctaagctc acccncatga caaanaaaca 120

tgaaaataca aaaaaaaagt ccttactaca aagactactc aaaatgccct gaaatacaag 180

gctaaaaccc tatactacta gaatggccaa aatacaaggc ccggatgaag gaaatactta 240

ttctaatatt tacaaagata agcgggctca tacttagccc atgggctcga aatctaccct 300

aaggctcatg agaaccctag ggccttccct tggatctcta gccctagcgc tgttcgccta 360

tcctccaccc tcaactctta ttcagagacc catgaatnga ttgcctagcg ctgtttatgt 420

gtcctccacc atcgagtctg gaaccc 446

<210> 5726
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5726

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atactaaaga gttcatacta acttgttaga aggctcaact tgttacattt tacctaagag 120

gacccttcat aggtaatggc taaggtgtac cacatctgtt tagcactttt gaagttgtga 180

actttggaat attcttcttg agatagagca cacaacagag catttcttgc acgagagttg 240

aaaagaaata tggacatatg ttgattcgtc cactgtccct aggtatctcg ntcttatgag 300

cgtctaaagg aatttgatta cctttctcta caacgtccca catattgatg tgagtggatt 360

caaagaaggc aatcattctt tccttccagt tgtcgtagtt ggctcccttg aacataagag 420

acttgttcac a 431

<210> 5727
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5727

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aaaatgcaca cacatgacct ctatttatag cctaagtgtc acacaaaatt ggagggaaac 120

ttgaatttct attcaaattt cacttgaatt tgaaattgaa tttgtggagc cagccaaaat 180

tcactaatta tgattagtga attttagcta tggttcagcc cactaatcca agatcaagtc 240

caagattctc cactaagtgt gcttaggtat catgaagcat gcaaagcatg aaggacatgc 300

acaaagtgcg actatatgat gtggcatgga ggtgtagcaa gtaaatgttc acctccctct 360

ctaaaattta antggattgg gcttctcaat tcaaattaaa ttatttctca acacacacat 420

caaatatttc acttatacat gtg 443

<210> 5728

<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5728

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ccaatctcta atggagaggg ttaccactac tggaaaaccc gaatgcaaat ctttattgag 120

gcaatagact taagtatttg ggaagccata gaaatagggc catatatacc caccacagta 180

gaaagaatta caaaagatgg tagcacatca agtgaaagca taacaataga aaaacctaga 240

gatagatggt ctgaagagga tagaaaacga gttcaataca atctaaaagc caataacata 300

ataacatctg ccctgggaat ggatgaatat atcanggttt caaattgtaa gagtgctaaa 360

gaaatgtggg acactctaca gtttacacat gaaggaacta cagatgttca tagatctagg 420

ataaacacac 430

<210> 5729
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5729

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atagatgtcc gattcaagga cataatatat caatacactc gaaattgaat aatggaagct 180

ctcgagaatt caagtggtca tcactnttat ctcagaagtc cgattaaggc gcataacata 240

tcgagattct cgaaattgaa caatggaagt tctcaagata ttcaaatggt cataactttt 300

cagttcgatg tccgattaag gcgcataata tatctagacg ctctatattg aacaacggaa 360

gctctctaga tattcaaatg gtcataactt ttcactcaga agttcgatta aggcgcataa 420

tatatcgaga cactaaaaat tg 442

<210> 5730
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5730

agcttcttgg atgtttaatg gatcctcctc tattgtatag gccatataat cgggcccata 60

atctgtagca attcttgctc tcttacctct tcgaggctct atatctgatt ctggttgtgc 120

aagattttca ttactaatag caggaagatg actagatgaa gtacccgcac tattccttaa 180

tttaaaagat aatcagaaac cagattcttt ctcatctctg gagtatgcat cacatctttg 240

agaatcaaag tctttccaga ggtaaacttc agttcaacat ctccagttcc ancacccgtn 300

ntggtgtgag aatctccaag caacactttc ttattttcaa catttgtgta tgttgtaatc 360

atagcacgat catagtagac atggcgagag gcgccagtgt ctacccacca tacatctgat 420

cctgcaatga tattaatctt agttatcaca acaatgggtg actc 464

<210> 5731
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5731

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gtcataagct ttttttatag gcttggctcg acttacataa aagtctgatt tggcccatga 120

gcttatttaa aagcttgctt aaagacgtcc ttgattaatt aatcatttta aaatctagtg 180

aaatactaac taaaaaaaac ttataaaatt tcgtataagt aatgtacaaa tccaataata 240

attgataaac aaaatcatat tgaattcaag tctgtcaagc acacagtcta tcaaaagaca 300

atttaaagag catgatctta aaaaatgtat ggattatgtg ctcagcccca aagcttacaa 360

atcta 365

<210> 5732
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5732

agcttcaaga atcaagatca agattcaaga atcaagacaa gacttaatca agatgagtat 60

gaaaaggttn tttcaaaaat tgagtagcac atggattttt ctcanaatat gtttaccaaa 120

gagtttttac tctctggtaa tcgattacca gattgttgta atcgattacc agtagcaaaa 180

tgaatttgaa aaagttttca aatgaattta caacgttcca attgatttca aaaaatatgt 240

aatcgattac aatgttttgg taatcgatta ccagtgcctt tgaacgttga aattcaaatt 300

caaatgtgaa gagtcacatc ctttcacata aaagctttgt gtaatcgatt acacntgatt 360

ggtaatcgat taccagtgat tggttatgaa taaaccanaa tatgtaactc ttcaaatngg 420

ttttgactt 429

<210> 5733
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5733

agcttctggt gggacatctt gactngctnt ccaatctgac attcaccaca gattctgcct 60

tcttctattn tcagattgng gatgcctcta acagcacctt tgtcaatgat tntcttcatg 120

cctctcaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta gctggtttct tgaggtgtcc ataggtaaca attggccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactnt 300

gtgaagttta cattgaatcc ttcatcacac aactgactga tgctgatcaa gtntgcagtc 360

agtcccttca ctatcagaac tttgtccaga ctatgaagtc catcatggac tagctttcct 420

attccaatga nttttccttt agagccatct ccaaatgtca cat 463

<210> 5734
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5734

tatgggttat gcaacagaac tnagcttatt gttacaagac ttggttcatg tgtcgttgaa 60

gcagagatta ttactgggcc caacataggt catagaacat acataccaag aatgaatctt 120

tctccttctg attcaccatg gccattcaag cttattagaa gacaatttcc attcatggtc 180

ttatttgcca tgacaattaa caaatctcaa ggacagtcga tggcacaagt tggattgttt 240

tgcccacccc agtattgtac tactgcgagt atatgttgcg c 281

<210> 5735
<211> 468
<212> DNA
<213> Glycine max

<400> 5735

agcttaccat tataggaagc catggataag atcttgaagg taggagaaga tgagtggagg 60

gagaatgagc acaaaatttt gtgtctcata tgaagtctga actttgaagt gtaattctca 120

aatgatcaaa gttgaaaaaa tgcacacaca aggtttctat ttatagccta agtgtcacac 180

aaaattggag gaaaatttga atttctattc aaatttcact ttgaattgaa tttgaattgg 240

tggagcagaa tttggagcca aaatttcact aattataatt agtaaatttt agctatggtt 300

cagcccacta atccaagatc aagtccatct ccactaagtg tccttaggtg tcatgagaca 360

cgtaaaacat gaaggacata caagtgtgac tatatgaagt gacaatatgg tgtagcaagc 420

aaatgctcac ctccccctta ggatgatcca aaatttaatt ggattggg 468

<210> 5736
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5736

agctngatga atcatgtatc gtagttagga acaaggctag attgattgct aaaggataca 60

accaagagga aggcattgac tatgatgaga cctatgcctt tggtgcaagg ttggaagcta 120

ttangctatt gcttgctttt ggttgtatta tgaatttcag gttatatcaa atggatgtga 180

aaagtgcttt tctcaatgga tacattgaag aagagatata tatagaccag cctccaagtt 240

ttgtagactt tgaacatcct aatcatgttt acaagttgaa aaagacactg tgtggtttaa 300

aagaagcacc taaattttgg tatgaaagat aaagcaattt cttaattgga cagtcttttg 360

taagaggtca agttgacaaa acattgttta tcaagagatc atacaacgag ttcttgcttt 420

gtgcaaatta tgttaatgac aattnttggt gtctctgat 459

<210> 5737

<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5737

agctngaagg tttgtacatg accaaatctt tatttattcg tctgtaccta aagcagtctt 60

tgtattcgtt taaaatgcat gaagatagat cagtaggaga acaattggat ttgtttaata 120

aaatgattct agatcttgaa aatattgatg tcactattga tgatgaggat caagctctgt 180

tattgttgtg ctctttgcct aagagttact ctcatttcaa agagacttta ttgtttggaa 240

gagatactgt ttctcttgat gaagtgtagg ctgctctgaa ttcaaaggaa ttgaatgaaa 300

gaaaggaaaa gaagtcctct gcaagtggtg aagggctgac agccagaggc aagaccttca 360

agaaagatag taaatttgat aagaagaagc aaaagccaga gcatcagaag aatggtgaag 420

gaaacatctt caaaatcaga tgttatcact ataaaaa 457

<210> 5738
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5738

gcttgagcca attcaaacga caataacttt ttactcggat gtctgattga gtcccgtcat 60

atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aattcaggcg acaatatctt 120

tttactcgga tgtctgattg agtcctgtaa tatatcgaga cgctcgaaat tgaatgttga 180

acctctgagc aaattcaaac gacaataact tttttctcgg atgtctgatt gagtcctgtc 240

atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 300

tttctactcg gatgtctgat tgagtcctgt catatatcga gacgctcnaa attgaatggt 360

gaagctctga gcc 373

<210> 5739
<211> 316
<212> DNA
<213> Glycine max

<400> 5739

cgaaggcaaa ctggatgcat tggttaactt ggtaacccaa ctggccttga acaagacatc 60

tgtacctgtt gcaagggtct gtggtttgtg ctcctctgct gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcaattga gcagcccaaa gcttatgctg ctaatattta 180

caatagacct cctcaacctc agcagcaaaa tcaaccacag ccaaacaatt atgacctctc 240

cagcaacata tacaaccctg gatggaggaa tcaccctaat ctcagatggt ctagccctca 300

gcaaacacaa cagcag 316

<210> 5740
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5740

nttgcaagag ttatgactac tataggaggc atgtttttct cttttcattn ctttcattag 60

gttgtcttct ttcgtcctct cttattttct ttctttcatc ttgacttatt tcttccactc 120

ttttttttcc cttttctttt ctttcttgtt tttctttcca taacttgagg gaactcaact 180

catctaagat tctagataaa gggtctttat gactagtacc cttgccatta acactagatg 240

aatgatgact cgtgttggtt cctaagttgt ggttctttct tgttggaggt ttgaaaacaa 300

aaggtaaaag aaactatggt tgaaactagc caaataaaca c 341

<210> 5741
<211> 322
<212> DNA
<213> Glycine max

<400> 5741

agcttccatc agctgtctta cttgtttagc ctcaccctct aaatttatcc gatgcataca 60

tgtggatggg ctaataccac caatgtccac cagggtccaa cctatagcct tcttatgctt 120

cttgagaact gataacaact tctcctcttg ctcatcaaca agggaggcag atataattac 180

tggaaaactt ttgttatcat ccaagtaagc atattttaaa tttgatggca aaggcttcaa 240

ttctggtgtg agcggttgga tagtggtaga aagagatggt ttctcagcct gtacctcata 300

aagaaagtaa gaggtatgtg ta 322

<210> 5742
<211> 320
<212> DNA
<213> Glycine max

<400> 5742

agctttaagg tcaagagggc tgtatgatga tacaacttgc ctcgttgtag atattattcc 60

ttcagatcat cccgtgttgc caacaattcc aagaaagaaa cgtaacgtgc taacttccct 120

tctctttgga aagaaatctc aaaactctac aaacaaaggc accaataagc tttcttctgt 180

tggtgttgtg gaggaattat ttgaagaggg ttctgcaatg cttacagaga ggtaactggg 240

accataactg ctaaatttat atttgcatga tgtcatttga agtttaattt gtcaccatca 300

tggtggaaag agagaaaaaa 320

<210> 5743
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5743

agcttcgaag tttaaatggg gctattaggt cctaataatc ngngacgggt agctgttcat 60

aagagttagg ggtgatgaag aaagtctcgt acacaacagc agcaatagcc gagccaatta 120

atgggccggc ccagtagacc cagtggttag cccatgtccc gctaacaaca gcaggtccaa 180

aagaaactgc tgggttcatg gatgcaccac taaaggtacc acctgccaag atgttagcac 240

ccacaatgaa accaattgca attggagcaa ttatcccaag tttacccttc tttgggtcca 300

ctgcagtggc atacactgtg taaaccaa 328

<210> 5744
<211> 325
<212> DNA
<213> Glycine max

<400> 5744

agcttgcccg atggattcct attcattacc cattagaaat agactagtag atagggcagc 60

aagaccctgc ctacttagct tcttagatgc atactcaggg tacaaccaaa tacggatgca 120

tccacaagat gaggagaaaa caaacttcat aacctagtcg tctaactatt gctatcagat 180

tatgccattc ggcctaaaaa aggctagctc cacttaccag cacctaatgg acatgatatt 240

caaagaacaa attggaaaga aaatggaggt atatgttgac aacatggtgg taaagtctaa 300

tgatgcagaa tcacacacct atgat 325

<210> 5745
<211> 325
<212> DNA
<213> Glycine max

<400> 5745

agcttgaaag gatgcttcaa tgttggaata taaagaggga gagaaagaga gaggggggag 60

cacgaaattg aaggaataaa agagggagag aagtggaact ttgatgaatg agagtgatgc 120

aagctccatt ggagcttgta ggcctaggat cttcttcatc aatggattcc tttgcttctt 180

ggaagataaa tggcagcgga atggagaagg aagagagaga ggagacgcca cttcaaggag 240

aagataagtc tagaagaagc tcaccaccat aggaggccat ggataaaaac ttggaggaag 300

aaggagatga atgaagggag gggga 325

<210> 5746
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5746

tgcttaacgt ttatcctttc atagtagnca ttttttgcat tccaatttat gatgagggaa 60

tcacgaacac tctctgccgt tgcaaagaaa gccttattga gctcaaactt ctctggagaa 120

aaagggctgg tgaactcggc atggaatttg atgcttgaag caatagatgc agaatctggt 180

acaaattcat tgaaagtgtc tgcaagtgtt attaaagaaa gaattattaa ttaggtcctt 240

atttactgga aaaataaaaa caatgttgag actgtatggc taataaatct catattatta 300

gttcaataaa aacataaaga tgggacaaa 329

<210> 5747
<211> 318
<212> DNA
<213> Glycine max

<400> 5747

agctttagat acatattaat attatagact actatttgta atcaacagaa aagatcattt 60

gtaaaacgct tttagttaat tgcatttctc ctaaagtttt ctaattgagc cattttattc 120

ttttagattt cagttatatt aattgggttc ttcaaaaaaa aaaaagtcta gatcatcata 180

ttctatattt ttcttaaatg agataattta tggtgtccac ttgaggagtg tcctctatcc 240

atctaatttg atactttctt ccgcttatcg cttactctta actgtgcatt taatttatct 300

gctaaatata atataaat 318

<210> 5748
<211> 304
<212> DNA
<213> Glycine max

<400> 5748

ttcagcaaat tttaacgaca ataaattttt actttgatgt ctgattaagg cccgtaatac 60

atcgagacgc tcgaaattga atgttgaagc tctcagcaaa ttcaaacgac aataactttt 120

tactctgatg tctgattggg tcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180

ctctcagtaa attcaaacga caataacttt ttactcggat gtctgattaa gtcccgtaat 240

acatcgagac gctcgaaatt gaatgttgaa gctctcagca tattcaaacg acaataactt 300

ttta 304

<210> 5749
<211> 316
<212> DNA
<213> Glycine max

<400> 5749

agcttcagaa ttcaatttct agtgtctcaa tagattacgg gactcaatca gacatccgag 60

caaaacgtta ttgtcgtttg gattagttca gagcttcaga attcaatttc gatcgtctcg 120

atatattacg ggtctcaatc agacatctga ggaaaaaagt tattgtcgtt tgaatttgct 180

gagaccttca acattcaatt ttgagcgtct cgatgtatta cgggacttta tcagacatcc 240

gagttaaaag ttattgttat ttgaatttac tgagagcttc aacattcaat ttcgagcgtc 300

tcgatatttt acggga 316

<210> 5750
<211> 324
<212> DNA
<213> Glycine max

<400> 5750

tatgaaatcc ttaattgttc tccatcttag caacttttat ctttctggaa ccattccaaa 60

gaaaattgga tcactgcaaa agcttgaaga tttggatctt ggagataacc agttgagtgg 120

aacaattcca atagaagtcg tggaattacc caagttacgg aatttgaatt tgagcaataa 180

taaaataaat ggaagtgttc cctttgagtt tcgccaacct cttgaatctc ttgatctaag 240

tgggaatttg ttgagtggaa caataccaac acagcttgga gaggtgatgg gactgaaatt 300

gttgaatctg tctcgcaata atct 324

<210> 5751
<211> 292
<212> DNA
<213> Glycine max

<400> 5751

tgagccactg cttcacatta ttgaagctct cttcatctgt cacatcataa acaatctgcc 60

agaggaacca gttagtaaag catgcaagga tccatctaca cgggaaatca atatccaaaa 120

gcccatgcca agaaaatcat cacccacaat gatcccatgg gccccacgat agtagctact 180

ggtgattgtc ctaaatcgtt cttgcccggc tgtgtcccac tacatataaa aacagatcac 240

aaatcaaggt aagaaaacta tatgtcaaca caatcatgac ctttggtgat cc 292

<210> 5752
<211> 334
<212> DNA
<213> Glycine max

<400> 5752

gcatgcaagc ttggaaagca tggaaaatgt ctctggtatt gagccatgca aattgttccc 60

ctcgagagtg atgctgtgaa ggcgtctgag gttggaaaat tcaggtggaa taatgccaaa 120

taagtgactg cgaacaatct caaggtagtg cagtccagtg agattggaaa gaacgggtga 180

aagcagcccc actagacctt tatcgtacag gattagtcgt gtgacacggt tatggaattt 240

gtcacataca acacccgtga agttgcacac atgaacagct tcatcccagt tagcaagtga 300

ggaatgcggg tctgatatga ttgtttttct gaat 334

<210> 5753
<211> 343
<212> DNA
<213> Glycine max

<400> 5753

aatacttaag cttttgcaac tagccttgcc ttgtatcttt caatttctcc cttggttttc 60

ttctttgttt tgtacaccca cttaacacca atagccttgt gccctttttgg aagggagacg 120

aattcccttg tgtcattctt ctcgatggat ctaatttctt catgcatcgc atctcatcat 180

ttttatcttg catagcttct tcaaagttca ctggttcata atctgcaaag agacaaaata 240

gtattatatt atccaatctc tcatttcaat cacaaagatc ttggagggtt cttgtgcgtg 300

acacaaccct ttcactctca atagatggca aagtgtcttc atg 343

<210> 5754
<211> 319
<212> DNA
<213> Glycine max

<400> 5754

ttgaagaaat tcaaatggtc ataacttttc actttgatct ccaattcaga cgcatcacat 60

attgagacgc ttgaaattga acagcggaag ctcttgagaa atgtaaatgg tcataacttt 120

taactcggat gtccgattca ggcgactcac atatagagac gcacgaaatt tcaatggtca 180

taacttttca cactaaggtc cgattcaagc ttataatata tcgagatact cgaaattaaa 240

catcggaagc tctcaagaaa ttcaattggt cataattttt caaacggatg tccgattcga 300

gcgcataata tgtcgagac 319

<210> 5755
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5755

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ctatacgaga catcttgcta aacaaagtca ggttagccat aactcgcctg tgcttttct 120

tccatgctat attgtgccat ttggagatgt attttccccc tgctttcttt gacatcatga 180

ttcacttgat cgtgcatcta gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt 240

ggatgtaccc ggttgagcaa gacatgaaga tcttaatagg gtatacaaag aatatttatc 300

gtccagaagc atctattgtt ga 322

<210> 5756
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5756

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gtaactatgt gtctctgcac ttcctttcca ccactccatt ctgatgatgg gtatgtggac 120

agatcaacct atgttgcaca ccaagttctg caagataatt ggtaaatggc ctatactctc 180

ccccagtcag attgtacagc tttaacaggt aaattgaatt gagttttaac tagagtatga 240

aactgtttaa acagatcaag agtttcagat ttacttttca acaaataaag ccaagtaaat 300

cgagtgtgag catcaacaga ggttacata 329

<210> 5757
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5757

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aatctcactt ttgcagtagt tccaattgca atctatgttt caattgaaga tccttggccc 120

ttcgaaatat tttcttagct tagaaatagc taaatccagc aaaggtatct cactctccta 180

gagaaaatac actctatctc ttttagaaga tacaagtttc ttggcatgca aaccttccaa 240

tcttccaatg gatcccaact tgaagctcaa tcttcatgat ggagacatac tccttgatcc 300

ctcagtgtat aaaaggttaa ttggtaa 327

<210> 5758

<211> 263
<212> DNA
<213> Glycine max

<400> 5758

taacaccttc ccccgcccaa cagattgtgg gtgacaagtg gttaaaaata acaatttatt 60

gcccaacttg ctccaaaaag tcctccaaaa atggcttagg aacttttagt ccctatcact 120

aacaaagctc cttggcgtac catggaatct cacaatctcc ttgaaaaaca aaccagccac 180

atgggaaaca tcatcaattt ttttacatgg aataaaatga gccattttag aaaacctttc 240

aacaaccaca aaattggaaa ctc 263

<210> 5759
<211> 345
<212> DNA
<213> Glycine max

<400> 5759

ctttggcttt gaggacttgc tccaatggct catcttttct tctattgaac ctttcttcat 60

aggcttgaag agaacccatc aattggtcta cggtcattga gtctaaatcc ttagactctt 120

caatagcaca aaccacataa tcaaatttat cgattaagga gcgaaagatc ttttccacca 180

cacgaacatc ttccatattt tctccataac gcttcatttg gttcacaata gccaacacct 240

tgttgccaaa atctgagata gattcagatt ccttcatatg caatgattca aactctctac 300

gtatagtttg taggcgcacc ttttttacct tatcaacacc ttcaa 345

<210> 5760
<211> 315
<212> DNA
<213> Glycine max

<400> 5760

agcttgagac atcatggtta attcttctgc tcctatgttg cacaccggga agcaacagaa 60

gtaactatgt gtctctgcac ttcctttcca ccactccatt ctgatgatgg gtatgtggac 120

agatcaacct atgttgcaca ccaagttctg caagataatt ggtaaatggc ctatactctc 180

ccccagtcag attgtacagc tttaacaggt aaattgaatt gagttttaac tagagtatga 240

aactgtttaa acagatcaag agtttcagat ttacttttca acaaataaag ccaagtaaat 300

cgagtgtgag catca 315

<210> 5761
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5761

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ctttgctgat ggcttcttcc cgttccaagc ttcaattgga gtcttgtctt ttacagactt 120

agttggacat ctgttgagta tgtaaacagc agtgtagact gcttcagccc agaatgtgtt 180

aggtaatccc ttctccttga gcattgatct agccatttcc ataactgtgc gattctttct 240

ctcgaacact ccattttgtt gaggagaata tgcgactgta agttgtcgct caatgccttc 300

atcctcacaa aatt 314

<210> 5762
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5762

agcttgtgca tccaataccc tgttgaggtt tgtcttatgt nccnaaaact ggattgatgc 60

atttgcttcc aaagtttcat ggccttgcag gtgaagaccc gcacaaacat ttgaaagaat 120

ttcacattgt ctgctccacc atgaaacccc cagatgtcca agaggatcac atatttctga 180

aggcttttcc tcattcatta gagggagtgg caaaggactg gttgtattac cttgctccaa 240

ggtccatcac gagctgggat gaccttaaga gagtattctt agaaaaaatt ttccctgctt 300

ccaggacccc agccatcagg aagga 325

<210> 5763
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5763

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aggggacgtg cgagtaacaa ttattgccat ttgaatttgt tacgaaattc cgttttcaac 120

ttggagcaat ttaatatatt aggggactca attggacatc cgagtaaaaa gttattgtcg 180

tttgaatttg gtacgagctt ctattttcaa tttggaatgt atcgatatat tacgggactc 240

aatcggacat ccgtgtataa agttattgtc atttgaaaat gctcagagct tctgatctca 300

attttgagcg tgtcgatata ttatgggact caatcg 336

<210> 5764
<211> 331
<212> DNA
<213> Glycine max

<400> 5764

cccagcacgg gttctatgcc cgattctgct gttatctgag tccgaagcaa gaagccgatg 60

caactgcatg atggagttaa ccgccacggc ttcgttcgga ttcacctgca gcatccacgg 120

cttcacgtct tcaaggcgcc acgccgccac gccacgaaat gcaaacctaa cattcacgga 180

ccgcgccagc tcagcgagcc tgagcccaat ttcgcggagc gtgtcgcggt tgtcggacga 240

gggaagccca attcccgtga gcctcaacag cggaggccca ccgggccgaa gcgccagggc 300

ctgaatcagc gcgggccact ggagcccctg c 331

<210> 5765
<211> 318
<212> DNA
<213> Glycine max

<400> 5765

acctcagtgt gaaaagttat gactatttgt atttttcggg agcgtccgat gtgcattttg 60

gagcgtctgt atatgtgatg cgcctgaata ggacatccga gtgaaaagtt atgaccattg 120

gaatttctca agagctggcg atgttaaatt tagagcgtct cgatataata taagcctgaa 180

tcggacatca gtgtgaaaac ttatgaccat tttaacttct ggagagcttc cggagagcat 240

tttgtagcgt ctatatatgt gatgcgcatg aattggacat ccgagttaag agttatgacc 300

attggaattt atcaagag 318

<210> 5766
<211> 317

<212> DNA
<213> Glycine max

<400> 5766

agcttggttt cctccttctt cactacatca agaatcactg ggttgagtct tctttgtggc 60

tgtcttactg gtttagcccc atcctctaaa tttatttgat gcatacatgt ggatgggcta 120

ataccatgaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaactgat 180

aacagcctct cctcttgctc atcagcaagg gaggcagata taattactgg aaaacttttt 240

ctatcatcca agtaagcata ttttaaaatt gatggtagag gcatcaattc tggtgtggcc 300

ggctggatag tggtaaa 317

<210> 5767
<211> 282
<212> DNA
<213> Glycine max

<400> 5767

gaaatcaatc ttttcacata tctgcaaact catcaagctc caaaggattg gacatctcgt 60

gcatttacct ccttgtcttt gctttgacct tctatgcaaa ctttccggcc ttcttctttt 120

tctccaaagc tcgaatctat aagaaccagc tacctatgat gatacatagt tagaaagtgg 180

aaagcttggg aaattataaa tatatatcga aaatatattg gtaagtacct gattcggtga 240

cacatagagt ggattctcat ataaagttgg gcctccaaaa ct 282

<210> 5768
<211> 320
<212> DNA
<213> Glycine max

<400> 5768

agcttgcatt tcctccatga atttcttggt ctcgaaacgt gcgatggtac cctagttgtt 60

caccaaattt gctttggtca ttccaatgtc acggtcaata atggaaagag tcttgttggt 120

tttgtcgggc acaacacaga tgaagaacta tggttaagca tcaagcttgc tcttgtcaga 180

atgatcctcc ataatttta ctgcaacaac ggtataatct ccctgtggcg gtggcttcgg 240

aggtggtggt tgatatggcg gcgggcgtct acgccggtga ggaacagaac aaagctaagt 300

cgtattagtg gagagaatcc 320

<210> 5769
<211> 324
<212> DNA
<213> Glycine max

<400> 5769

gcttggagaa agaaatatgg ctttttttata gccgatgtct atttaagata tacataggtg 60

tgcctccttg catataaaca tgaatttttc aagggctttg aaatattctg taaaagggtt 120

caaaaggaaa agggttttgc atttcttcca tcaaaagtga tcatggaatt gagtttgaga 180

atgctgagtt caaatcattt tgtgaaagga atggtatttt ttgcaacttc tcttcatcaa 240

gaacacctca actgaatgga gtaattgaaa gggaaaataa aactctacaa caaatgggta 300

ggaccatgct ttgggaaaac ttac 324

<210> 5770
<211> 304
<212> DNA
<213> Glycine max

<400> 5770

agctttctac tgcattttag aattatggat ttcggcaatc ttgctctgac tattccctct 60

tcactttacg gactacaact gtccatcttg tggtgctagt ttacatggat gatcttattg 120

tttcaggtaa tgattctgaa gctattcttc ggtttaagct ttatcttcat atatgctttc 180

atatgaagga tttgggaaga ttgaaatatt ttcttggagt ggaagttgct cgctcaccca 240

aaggaattta cttgtgtcaa agaaaatacg ccacggatat tattcttgaa actgggttac 300

ttgg 304

<210> 5771
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5771

tagggcctcc aaaatcatct aaatattatt agatgatgag agatcaactc atatcaagag 60

tatgttatca tcaatcattt tcttaaaatc taataattat aataagtcaa taattatatc 120

cgcttaattc caagaaaata aattgtgagg atgaatgata gctcttggtt ggtgtgtaag 180

ttgatccatt ctcttattag atattatatc ttctaattaa tcaacgatat aattatgaag 240

atcataaatt aatgaagtta agtaaagcta tattagacnt ttaaaaaata aacatttttt 300

tatccggagg atccagctat attataaatn taattagaat attctggcca tattattcaa 360

tcaatcttga atatata 377

<210> 5772
<211> 269
<212> DNA
<213> Glycine max

<400> 5772

cgttcctaat atctctacta ttgcaacacc tctcaatgag ctggcgaaca agattgtggc 60

gtttacctgt ggtgataaac aagagcatac ctctgctttg ctcatagatg aggttactaa 120

ggcacctgct ctagctctct ctgactttac taacacttgc gagctaaaat gtgatgccta 180

tggagtggga gcatgagcag tgttgttaca acgtgggcac cctattgctt agtttaatga 240

gaaactatgt agtgccttcc ttagctacc 269

<210> 5773
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5773

gcttacctag aagtatggca tggattactt cagcgctgta gcgcttggta ctcgaacttt 60

ggctcaacgc attntatcta cccttattac tctgaaaaag caggggcacc ttgcgtcctt 120

gaaccgataa ccatattttg gctaacctag cctcctccat ccctcgagtc caataaaggg 180

tagtacaaga atattcacct tttgtccatc gactacgccc ttcggccgga tcttatgcct 240

tgactcaccc tccgtggatg aaccttacga aggaaccctt gggttttcga ggcattggat 300

tcttaccaac gttagcgtta gtcaagccaa cattcccgct tctgcttcga ccagcactac 360

tcgcatgggt ccctccctgt aagatggtac actcccctac cgattcattt tac 413

<210> 5774
<211> 390

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5774

taattggaaa ctgaattcat tttttactat tgtaattgaa ggtgaatata tcttaactca 60

aaaactcttt tctacaattg aaaattttaa atctttagga tttctcaatt agggcaatca 120

ttaagttcaa gaatatctaa attatcataa ttgttgatat ttattcctat agaatttcca 180

actttgttac attatatctt aaattcaatc cttatttcaa tttcacagtt gtcgatagga 240

atatacgatc aacgcactat aagtgaccaa atgccaattt acaaaggcac taaattaaaa 300

aaagacaaac attcaattta aaagacatga atttgaatta cagataagaa ttcaaattac 360

atcaagttaa cagnaaattg agtacacatt 390

<210> 5775
<211> 413
<212> DNA
<213> Glycine max

<400> 5775

ctgtattttc atatccagga gggtgatcaa cacacactac ttcttgaata aaaccattca 60

aaaatgcact tttaacatcc atttgatttt gaaatcaatt atggatgcaa atgctaataa 120

gattctaatg gctagtaatc caaccactgg agcataagtt tcttcataat ctattccttc 180

ttcttggtta tatcctttag ctactaatat acttttattt ctaataacta ttaactactc 240

catgttcatc caatttgtct ctaaataccc atttagttcc aataattgga tgatcattaa 300

gtctatcaac taattcccaa acttgatttc tctcacattg atttaaatgc ctcttgcata 360

gcaactaatc aaatggtcat caattatggt ttcatttatg ttatttgggt caa 413

<210> 5776
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5776

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ataaagatta tactagttca gtagtataaa gggtgatcct tacctttatt taatgcatag 120

tttctatggt catgctagtt caatagaatt agtgactttt gactctgttg aagtgttggt 180

tctttctgga gcatcgtcag ggataataaa gctttgggat ttggaagaag caaagagtaa 240

gttaattagt atattttgaa gtcatggact gtataatgta taatgatgtt attcatantt 300

gagaaagact gcaggtgagg aagtttgatg tctaatgttt ttgggaatga tgattgatgt 360

aggtggtcat tgagttcttt attggattgt tgctntattt ttggaccatg ctgcttatca 420

tcacaggtac aagtggttct ttgtaaactt ttgatgtt 458

<210> 5777
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5777

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ttgagactag tgaggtttgt gaagatgatg aattgcttcc ctgaaaccac acctcccaat 120

ttcttcatgg aaaggtctat ggaagttaca attgttgagt cattgttaca cttgatgccg 180

gaccaagaac atgcatagga tttcccagtt aattgtcctc cagagggcac cacccaattg 240

tgcaagctgt tgtcatcatc tacaagctcc gattntatgc tgagaagtgc ctctgagtaa 300

gggtcaattg ctagaactgc tgatgatacc atgaagaagg taacaagaat aagatctttg 360

atgtagaagc atttgaaaat ctccattgga acttggagag catcacaagg tagagaggga 420

caattgtaag taccc 435

<210> 5778
<211> 453
<212> DNA
<213> Glycine max

<400> 5778

cttagtaaag ctaaacacgt acaatctcca cctctggtga aatttgtcta aaacatactt 60

agacactttc tgagcaggta cgagcagtta tgcaagtggg atcagcaact ttcattatca 120

gagtaatcaa gcacagcgga aattctgcat gttgcaagtc gtttccagga tgtcaagaca 180

tctcacatga catcagcttt ctgcttctgc tgcccctgtc tacatgctta ctgcagcatc 240

ttctaacagc tactagtctt ttccaggatg tcaagacatc tcatgtgaca tcaactgctc 300

cccctgtcta catgctctta ctgttgcatc ttttatcagc tactagtagc ttacaccagt 360

catcatcagc agcagcagtc tgcccctcaa aatcatatac atacaactcc ccctcaaaat 420

catgaagcat gcatacatcg tatcctacta atc 453

<210> 5779
<211> 345
<212> DNA
<213> Glycine max

<400> 5779

aacacacact actgtttgaa taaaaccatc tataaatgca cttttaacat ccatttgatt 60

ttgaaagcaa ttatggatgc aaaggctagt aagattctaa tggctagtaa tccaaccact 120

ggagcataag tttcttcata atctattcct tcttcttggt tatatccttt agctactaat 180

atacttttat ttctaataac tattaactac tccatgttca tccaatttgt gtctaaataa 240

cccatttagt tccaataatt ggatgatcat tacgtctatc aactaattcc caaactggag 300

tttcttcaaa ttgaattaat ccctcttgca tagcaataat caaat 345

<210> 5780
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5780

agcttgtctt gtgcagaatt agggtacaca ttctttttt gagatnttta cacataattc 60

cagagcacac cacagtgcct attttgggaa aagagctctg gaggcaacaa gatgagcaac 120

ttttgcagag atacctaggt cttgtaatta gagagagatt agaagtttat gtagacgaca 180

tgatcgtaaa gagtaagcaa gtggatgaac acctagccaa cttgttggag ttgttaatgc 240

aactaaggaa atacaatatg agactcaacc ctagaaagtg tactttcggg gtacaagtag 300

gaaagttttt gggatacatg ttaaccgaaa gaggaattaa ggtaaatccc gacaagtgta 360

aagccacatt ggagatgagg agtccta 387

<210> 5781
<211> 457

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5781

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tttggcctaa cagaaactcc aatattttta cagcttctaa tgttatgatt ggtttggcca 120

caccttccac atgtaaactc agccaatttc ctctttagct tatgtcctgt gacattgtcc 180

tcatctacag atctctttct attattcttt ggccttcctc tttggaccct tntatgtggt 240

ggaacaaggt gtgtatattg tgtctgggcc caatattgtg gtccttggac tggttaataa 300

aatgctggta tgtcttatta taaacttcta ttgacagcca ctcatgacac atgtccttag 360

gcttcccctcc tttgtgagtt atngttgcaa tggcatgtcg gcatggcatc cctacatcaa 420

agttgttaaa tcagcacaca tgtacgttag gaatgaa 457

<210> 5782
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5782

tatcatccaa tatagggata ggatatctat actttatagt taatttattn atggctgggc 60

agtctgtaca catgtaccat gtcccatctt tctttggaac caagatcaca gggacaaaac 120

acgggctaag actttccctt acaaatccct tntgcaagaa ctcatcaact tggctttgaa 180

tctcctttgc ttcttctgga ctttacctat aggctggcct atttagaaat gaagcaccaa 240

gaatgaagtt aatttgatgc aatacctctt aaaagaggta atccatatgg aatttcttct 300

aaaaaaacat caacaaattc ctgtaacaag gaaacaatct cacaaggcaa agaagagtta 360

aaatcgttag taaaataaac atcattgtac attagtacaa gtagctgctc tctggccatc 420

aaagtactct caacctctct 440

<210> 5783
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5783

agcttaattn ttcttttaga atgttagttg tccttccttc aacctcactt cctcccatac 60

tttntccatt atttttagaa gcttttctct ttgaaccacc catttataac tctaaacagt 120

ttagtgcctt agtcaatgat gctattcttt agaacaatag ggcaatgatc tgatacactc 180

ctattcaaga catgatgaga gctcccttgc caagtgagta acccattctt tagatacaaa 240

tactctgccc aacttactct ttacatggct atttggctta aaccatgtat acatcctttg 300

aacaataagg atgtcctcta gctccatgta aaanatgaaa ccattaaact ccctaatggt 360

cccttcacca ccat 374

<210> 5784
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5784

cattcactct gcaaatgttn tgcaccgaga tcttaaacca agcaatttac ttttgaacgc 60

aaactgtgat cctaagatat gtgactttgg gcatgctata acaacctcta agaccgactt 120

tatgacagaa tatggtgtca ctacgtggta cagagccccc gaattgctac tgaattgtca 180

gaatatactc aactattgat atttgggcgg ttggttgcaa tttgatggag ataaatagaa 240

gggagccttt aattcctggt aa 262

<210> 5785
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5785

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tcctaagtta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120

agagatgttt ggttttctgc cattgaccaa ttcatatgga gttttcttta aaatgggtct 180

tattaaagcc ctatntaaac tgtagcatgc agtgttaacg gcttcagccc aaaagtattt 240

tggaagagga gtatcattta ataaagttct agcaatctct tccaaagatc tatttttcct 300

ttcaacaaca ccattttgtt gaggggctct tggtgcagaa aagttatgct taatcccatg 360

cttatcacaa aataattcaa attcttattt tcaaactcac ccncatgatc anctctaata 420

gatataatct ttagattttt ctattt 446

<210> 5786
<211> 216
<212> DNA
<213> Glycine max

<400> 5786

gcttactatg caaggaataa ccaaagaatt tttcttcatc tgacttagca tcaaattttc 60

ccaagttatc ctttccattg gttaatacaa agcatttgcc accaaaaaca tgtagatgtg 120

agaaatttgg gttcctaccc ttaaacaata ttgatggagt tttctttaaa ataagtccta 180

ttaaagccct attcatgata taacatgcag tattaa 216

<210> 5787
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5787

cttgtgtaat cgattacact tatttggtaa tggattacca gtgactattt ctgtaaaaat 60

caaaaggtgt aactcttcaa aaaggttctg actttttcaa atgagtttta agtttttcta 120

aaagttataa ctcttcaaaa aggatttgac tttttcaaat gggttttaag tttttctaaa 180

agttataact cttctaaatg atcttcttga ccaaacatgg agagtctata aaagcaaggg 240

tttgttttgc atttcaacaa tcttgaatac ttttacactt attcaacaat cctttacaag 300

ccttgactct ctttgaattt cttcttcttc tttgtaccaa aaagctttct gaagttttct 360

ggttttccaa accttgaaaa cttgtgctat tcatcttttc attctcttct ccatttgcca 420

aanagaattc accaaggact aaccgcctga attctttt 458

<210> 5788
<211> 243
<212> DNA
<213> Glycine max

<400> 5788

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tccgtagtat atcgtgacgc tccaaattga aaacataagg tctgagcaaa ttcaaacgtc 120

aataagcttt tactcagatg tcccattgag tcccgtaata tatcgagaat gctccaaatt 180

gataatagta ggtccttcca aatttaacca taataacgtt ttactcggat gttcgattga 240

gtc 243

<210> 5789
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5789

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atggagacgc ccgaaattga acaacggaag ctctcgagaa attgaaatgg tcataacttt 120

tcactcggat gtccgattca ggcacatcac atatcgagac gctcaaaatt gaacaacgga 180

agctctcgag aaattcaaat ggtcataact tatcactcgg atgtccgatt caggcgcatc 240

atatatcgag acgctcgaaa ttgaacaacg gaagctcttg agaaattcaa atgatcataa 300

cttttcactc ggatgtccga ttcaggcgca tcatatatcg agacgctcaa aattgaacaa 360

cggaagctct cgagagatca aatggtcata acttttcact cggat 405

<210> 5790
<211> 263
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5790

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agtgaaaagt tatgaccatt tcaatttctc gagagcttcc gttgctcaat ttcgagcgtc 120

tcgatatgtg atgctcctga atcggacctc cgagtgataa cttatgacca tttgaatttc 180

tcgagagctt ccgttgttca atttctaacg tctcaatatt tgatgtgcct gaatcagaca 240

tctgagggaa aagctatgac aat 263

<210> 5791
<211> 447
<212> DNA
<213> Glycine max

<400> 5791

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acaaaggtgg agtatggagg attgccttga gggtccgcaa ttaggcaatc atgaaactca 120

tctccaaact cgaaagtgga gaacacatga acagccctaa gcaataacat tcacgtggct 180

acgaaatagg atgagaatgg aggatcgcct tgagggtcct ctcttattca atcatggaac 240

acagctccaa actcaaaagt ggagaacaca tgaacagccc taagcaataa cattcatgtg 300

gctccggaaa aggacgagaa tggaggattg ccttgagggt cctctcttag gcaatcatgg 360

aatacagctc caaactcgaa aatggagaac atgtgaatga caacgcaatt cactcacgtg 420

gctccagaaa aggatgagaa tggagga 447

<210> 5792
<211> 323
<212> DNA
<213> Glycine max

<400> 5792

agctagtcca atcgatttag agaaatgcct tcataagcat atctgcatat tgatcaattg 60

cacggatcat gaatgacacg attatgagca agagaaatat tgctcaaatt atcaccaaaa 120

attctaggaa tagtgtgaga aactttcagc ttaaacaaca aggtctgaat ttgttggacc 180

tctaatgtat ctggagcaag gttccagttc ttatgcttca gtgctagaac gagcaacaac 240

agattgcttt ttggaccacc aagagaccat gctgggtcct atatagaaaa aagcattgaa 300

tgtagacccc ctgttctttg gat 323

<210> 5793
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5793

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gcaatatatc taaatatctg ggaagccatt gaaatagggc cttatatacc caccacagta 120

gaaagagttt caatagatgg tagttcatca agtgaaagca taaccataga aaaacctaaa 180

gatagatggt ctgaagagga tagaaaacga gtaccataca acctaaaagc caaaaacata 240

ataacatctg ccctaggaat ggatgaatat ntcagagttt caaattgcaa gagtgctaaa 300

gaaatgtggg acactcttcg ataacacatg aaggaactac agatgttaaa agatctanga 360

tgaatgcact aactcatgag tatgaattat 390

<210> 5794
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5794

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tgaatttgct cagagcttng gtgttnaatt tcgagcatct cgacatatta cgggactcaa 120

tcatacatcc gagtaacaag atattgtcgt ttgaatttgg tcagagtttc gataatcaat 180

ttcgagcgtc tcgatatatt acgggactca atcagacatc cgagtaaaac gttattgtcc 240

gttgaatatg ctcatagctt cngtcttcaa tttcgagcgt ctctacatat tacgggactc 300

aatcagaca 309

<210> 5795
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5795

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atatatcgag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacaataac 120

tttttattct gatgtctgat tgagtcccgt aatatatcga aacgctcgaa attgaatgtt 180

gaagctctga gcatattcaa acgacaataa cgttttactc ggatgtctga ttgagtcccg 240

taatatatcg agacgctcga aatggaatac cgatgctctg agcatataca aacgacaata 300

actntttact cggatgtctg attgagtccc ggattatatc gagacgctcg aaattgaatg 360

ttgaagctct gagcacattc aaacgacaa 389

<210> 5796
<211> 430
<212> DNA
<213> Glycine max

<400> 5796

agtctcacga ttgtcatgtg ctcatgcatc aattgttagc cgtggctata cgagacatct 60

tgccaaaaca aagtcagatt aacgataact cgcctgtgct ttttcttcca tgctatatgt 120

agcaaagtca ttgatccagt aatgtttgat gagttggaaa atgaggccgc aattatactg 180

tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca cttgattgtg 240

catctggtca gagaaatcaa atgttgtggt cctgtttatc tacggtggat gtacccggtt 300

gagcaataca tgaagatctt aaaagggtat acaaagaatc tatatcgtcc agaagcatct 360

attgttgaga ggtacattgc agaagaagcc attgaatttt gtttagaata cttagagaag 420

gctaaaccta 430

<210> 5797
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5797

agcttaanaa ggcactctat gggtttaagc ttgcccctag agctaggaat aaaaggatng 60

atgccttttt ggttcagcaa tactntagca agtgctatat tgngcatgga gtatatgtaa 120

gattgcaaaa tggaggattg gatcaagtaa taatatgcct ctatgttgat gatctattgg 180

ttattgggaa caatcttaag gagattgatg atttcaaatc tgacatgatg tttgaatntg 240

aaatgataga cttgggaaga ctcagttatt tcttaggtat agagtttaca aatgcttcaa 300

ccagaactat cttgcaccaa aagaagtatg cattagaaat attgaaaaga ttcaatatga 360

ctaattgcaa cttagttgtg acaccaatgg at 392

<210> 5798
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5798

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aactaaaagc ataagttaat aagtatgggc caatgaatgg ttattataaa tatataacct 120

taatacccat aaaccaaagc tacaataaaa actgataatg tacttacaca gttacacttc 180

cctagcatga ataatatcct aagtttttta gaatttattt aagttgctcc agtgccatga 240

gaccatgcca aaagaaatcc aattaatata acaatgttag aaactaaata ctcatgacag 300

gaatgcttac atgtgactaa aataaaatta aacaaaatac aaatatatat ctttttaatt 360

aatggagatc aatatagaac aaacatatag tagtgatgat catagcaatc aaa 413

<210> 5799
<211> 457
<212> DNA
<213> Glycine max

<400> 5799

cttgcattgc ttggcagaat tgcgaacaag gagctaagag attctagccc actggttctt 60

accatatttc ataacaatcg cttttaggat ttcatcttcg gtgtttttcc aaacattgcc 120

ctttatcata atcctcatct tcacttcaac tacagtcaac aaccaaacaa ttcaaacaaa 180

gattattaga tgtgaaaaat aagggaaaag aaaaataatg agacatcagg ccttatgtta 240

gggagaataa aaaaccacac tcttgcaatt aggttttgaa gtaacgtatt atgcgataag 300

gaagaagaat gatccattca agtgagcgag agtccaaagc gagcttcatc gtgtgaggca 360

tgaaccagag tccatagcac tgttgacttt gtcggagcca tggcagatcc acaccgaacc 420

accatgagtg gtatgtgtcc aacacttcag aatccat 457

<210> 5800
<211> 220
<212> DNA
<213> Glycine max

<400> 5800

gcgtctcaat atattattgg cctgaatcaa acatccgaat caaaggttat ggctgcttaa 60

atatgccatg tgcttcaatg atcaattgtg agcatctcga tatattatgc aactgaattg 120

ggcatctgag tgaaaagtta tgccctatga gttagccgag agctctcgtt gttaatttca 180

agcgtctcgc atattattgg ccagaatacg acatctgagc 220

<210> 5801
<211> 384
<212> DNA
<213> Glycine max

<400> 5801

gatccttaat cacctgcggc tgcagctgga gaaaataaaa ataaatccga ttaagcagaa 60

tgctagaaat accttggcag ctctggttgt agctctagac caacgggaaa tggcagtttc 120

atgtttctca atgttgaaga aagatataga gctgtgcttg agttcagcaa aatctaagag 180

cttccaccta tgtattaaaa caaaaagata aaattaaaac tcatggagag tctagtaaag 240

aaggacagag gttctcattg cagtaaataa agtaccagct ttgttcaata agaattgcac 300

aatctgctag ctttcttctt gtacgaaaga ctttgtatac tttctgcagt ttaagtgcag 360

ccctatattt ggggttatct ggat 384

<210> 5802
<211> 396
<212> DNA
<213> Glycine max

<400> 5802

actagatgcc ttgggtattc tggtatccca actggccatg aatcaaaaat atgcacctgt 60

cgccagactc tgtggtttat gctcctctgc cgaccaccac atagaccttt gccctttttgt 120

gcaacaatct gaagcaattg aacagcctga agcttatgtt gcaaacaact acaatagacc 180

tcctcaacct cagcaacaaa atcagccaca acaaaacaat tatgaccttt ccagcaatag 240

gtacaatccc gggtggagga atcatcccaa ccttagatgg tcaaatcctt cacaacagca 300

acaacaacaa caacaacctt attttcagaa tgctgctggc ccaagcagac catacgttcc 360

tccaccaatc cagcagtaac aataacaaca acaata 396

<210> 5803
<211> 480
<212> DNA
<213> Glycine max

<400> 5803

acactactag cacactcaag cttcttagtt tcagatgatg cagatgggtt tgtagctacc 60

tcatgcactc ctctaatgac tatggcatca tttctggcgc taaactgctg ggagttggag 120

gccatcttct caattaaatt tctggcttca gcaggagtca tgtctccaag ggctccacca 180

ctggcagcat ctatcatact tctctccata ttactgagtc cttcataaaa atgttggaga 240

agaagctgtt ctgaaatctg atggtgaggg caactggcac atagtttctt aaatcgctcc 300

cagtactcat acaggctctc tccactgagt tgtctaatac ctgagatatc tttcctgatg 360

gctgtggtcc tggaagcatg gaaaaaattt tctaagaata ctctcttaag gtcatcccag 420

ctcgtgatgg accttggagc acggtaatac aaccagtcct ttgccactcc ctctaatgaa 480

<210> 5804
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5804

agcttcttca catagtccgc cttttcttga tcttctntat gcttaanaac agaaacatta 60

tgcataggca aaaaatcaag aggagttagt gggttaaaac cataaacaac ttcataagga 120

gaacaattag tggtgctatg aacaactcta ttgtaagcaa attcaacacg gngtaaacaa 180

gcttcccaag tttttaagat cttgctcaaa actgtcctaa ccaaagttcc caaagtccta 240

ttaacaactt ccatttgccc atcggtttgt gggtgacaag tggttgaaaa taacaattta 300

gtgcccaact tgctccacaa agtcctccaa aattgactta ggaacgtaga gtccctatca 360

ctaacaatgc tccttggcag accatggagt ctcacaatct cct 403

<210> 5805
<211> 269
<212> DNA
<213> Glycine max

<400> 5805

ctgagtcgga catccgtgtg aaaagttatg acccctttgaa tttctcaaga gcttctgttg 60

tcatttccag cctctcaaca tagtatgcgc tcgaaactga cattcgtgtg gaaaggtctg 120

aacatttgaa tttctcgaga ggttccgatg ttctaattcg agcggatcgg tatattataa 180

gcccggatcc gacattcgtg tggaaaggta tgaccatttg aatttctaaa gagccttcgc 240

gggttaattt tgatcctctt acaatatat 269

<210> 5806
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5806

tatatcgatg gctcaaatta tcatcggaaa ctctcgcgaa attcaaatgg gcatagaatt 60

tcacacggat gtccgattcg ggcgcataat atgtcaagag tctcgaaatt gaacaacgga 120

agctcttgag aaattcaaat gggtataaaa tttcacacgg atgtccgatt caggcaaatc 180

acatatcgag acgatcagaa ttgaacaacg gaagctcttg agatattcaa atggtcataa 240

catttatctc gaatgtccaa tttaggcgca tcacatatag tgatattcga aattgaacaa 300

cagaagctct cgtgaaattc aaatggtcat aactnttcac actgaggtnc gattcacggc 360

tataatatat cgatacgctc gaaattaaca tcggaa 396

<210> 5807
<211> 428
<212> DNA
<213> Glycine max

<400> 5807

tttgagcaat gcaaatggtc atagctattt actccgatgt tcgaatcagg cgcataatat 60

atcgagacgt tcgaaattga acaatggaag ctcttgagca attcaaatga tcataacttt 120

tcactaggat gttcgattca tgcacataat atatcgagac gctcgaaatt gaacaacgga 180

agctctcgag aaattcaaat ggtcataact ttttcacacg gagggcagat tcatgcgcac 240

aatatatcga gacgctcgaa attgaacaat ggaagctctt cagcaattca aacggtcata 300

acttttcact cggatgttcg attcatgcgc ataatatata gagaccctcg atattgaaca 360

actgaagctt ttgagaaatt caaatggtca taacttttca ttcggatgtc cgattcaagc 420

gcataata 428

<210> 5808

<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5808

gcttnattgt taatttaagc gatatgatat tatgcgcctg aatatgacct ccggtgaaaa 60

gcatgaccgt ttgaatctct cgagagcttg cgttgttcaa ttatgagcgt cttgatatat 120

tatacgcctg aatcggagct tcgagtgaaa cattatgacc atttaaatgt ctcgagagct 180

tccgttgttc aatttgaagc gtctctatat gtgatgcgcc taaatctgac gcccgagaga 240

taagatatga ccatttgaat gtctcgagag cttacgttgt tcaatgtgga gcgtatcaga 300

ttcttatgcg cacgaatcag acc 323

<210> 5809
<211> 324
<212> DNA
<213> Glycine max

<400> 5809

agcttctcag gtccggtcat ggaaagactt ggcaactgcc ttcattaggc agtaccaata 60

caacacggat atggctcccg atcggaacca gctttagagc atgaccaagc gagaacatga 120

gtccattaaa gaatatgccc aaaggtggag agacctcgca gcccaagtcg ttccgcccat 180

gactgagagt gagatgatca caattatggt agatacgttg cctacgttct actatgaaaa 240

gctgataggg tacatcccag ctaactttgc ggacctcgtc ttcgcccgag aaaggatcga 300

gtccggacta agaaaaggca agtt 324

<210> 5810
<211> 314
<212> DNA
<213> Glycine max

<400> 5810

agcttgtcag atggagatga tcttgccatg actttgattc tatcaatctt atccattctt 60

tcctcatgtg agaaatttct gaattgaaag ccttcaacca ctgctgcttg atcatcatcc 120

aattcatcat caagaatccc acattcagag gctatggccc ttgctgtgtg cgcattatct 180

cctgtaatca tcttaatctt cactccagca ttcttgcacg attcaactgc tgctccaact 240

cctggcctac aagggtcttt caacccaagt attcccaaca gtgtgagttc tgtctcttca 300

agttcaagtt tttc 314

<210> 5811
<211> 317
<212> DNA
<213> Glycine max

<400> 5811

agctgtacta tgcatataat attttatgaa aataccttcg gctgactgag catcaaattt 60

tcctaaacta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120

tgagacgttt ggttttctgc cattgaacaa ttcatatgga gttttcttta aaatgggtct 180

tattaaagcc ctatttgaaa tgtagcatgc agtgttaacg gcttcaaccc aaaagtattt 240

tggaagagga gtatcattta ataaagttct agcaatctct tccaaagatc tatttttttct 300

ttcaacaaca ccatttt 317

<210> 5812
<211> 317
<212> DNA
<213> Glycine max

<400> 5812

agcttaaata ttcaacttcg agtttctcga tatattacga gtctcaatga aacatgcgag 60

aaaaaaagtt attgtcattt gaatttgctc aaaggttcaa cattcaattt cgagcgtctc 120

gttatattac aggactcaat cagacattcg agtaaaaagt tattgtcgtt tgaattagct 180

cagagcttcc acattcaatt tcgagcgtct cgatatatta cgggccttaa tcagacatcc 240

gagtaaaacg ttattgtcgt ttggattggc tcagagattc aacattcaat ttcgagcgtc 300

tcgatatatg acgggac 317

<210> 5813
<211> 323
<212> DNA
<213> Glycine max

<400> 5813

agcttggtac atattgtctg attcttgggt cctcttaagg acttagtcaa aatatccgct 60

ggctgatcat tagaaccaat gaactcagtg acaatctcct tggacagaag cttctctcga 120

atgaaatgac aatcaatctc tatatgcttg gtcctctcat ggaagactgg gtttgaggca 180

atatggagag caacctgatt atcacaatac aacttcattt gcaactcttc acaaaacctc 240

aattcttgaa gaaattgttt gatccacatg agctcacatg tgaccatagc catagatcga 300

tactcagctt ttgcactaga ccg 323

<210> 5814
<211> 331
<212> DNA
<213> Glycine max

<400> 5814

agcttcttca catagtccgc ctttgcttga ccttctttat gcttaaaaac agaaacatta 60

ggcataggca aaagatcaag aggagttagt gggttaaaac ataaacaac ttcaaaagga 120

gaacaattag tggtgctatg aacaactcta ttgtaagcaa attcaacacg gggtaaacaa 180

gcttcccaag tttttaagtt cttcctcaaa actgtcctaa ccaaagttcc caaagtccta 240

ttaacaactt ccatttgccc atcggtttgt gggtgacaag tggttgaaaa taacaattta 300

gtgcccaact tgctccacaa agtcctccaa a 331

<210> 5815
<211> 331
<212> DNA
<213> Glycine max

<400> 5815

agctttaaga attatgggct catcaaacta cttgtttccc gagggaagtt ctataaatag 60

acctcccatc tttaatggag tgggttacca ctactggaaa acctgcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180

agtggccgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240

attagtacaa tataatttaa aggccaaaaa tattattaca tctgctctag gaatagatga 300

atactttagg gtttcaaatt gtaaaagtgc t 331

<210> 5816
<211> 328

<212> DNA
<213> Glycine max

<400> 5816

agctttacac cgttaaagag aattttaagc tcttagaagg aaaattaccc ggttcttcca 60

ggtgttgatt ttaaacagct ttcatctgat aggagctttt ttcaaagatg agattaaatc 120

tgtatggagt tgcgatgaag ataaaagccc cggtccggat ggctttaatt tccccttctt 180

taaagcatgt tgtggtgtct tgaaagatga gatatttgga attgtttaag agtttcactc 240

atcaggtatt ttgctgaagg ctgtaacatc ctcctttatt gctttgatcc cgaaaaagga 300

taatcctcaa tctttgtcag attatgga 328

<210> 5817
<211> 319
<212> DNA
<213> Glycine max

<400> 5817

agctttgagc caattctaac gattataact ttttactcgg atgtccgagt gagtctcgta 60

atatatcgac acgctcgaaa ttgaatgttg aagctctaag cctattcaaa caacaataac 120

gttttactcg gatgtccgat tcagtgacgt aatatatcgg gacgctcgaa attgaaagtt 180

gaacctctga gccaactcaa acgacaataa ctttttactt ggatgtctga ttgagtaccg 240

aaatatatca agacgctcga aattgaaagt tgaacctatg agcctattca aacgacaata 300

acttttttact cggatgtct 319

<210> 5818
<211> 322
<212> DNA
<213> Glycine max

<400> 5818

agcttcacaa atctggcaac agtataaata tattgtacct ggtacaaggg taatagtgtg 60

acagcaggaa catctcacac ttgtagcacc acgtgtgtac attagcaatg tcgtacagcc 120

tccacaatag agttgtgaca tgtccattcc tgcatgggca tcatgaaatt aaaggttccc 180

ccagatgtaa ccattcagtt aaagtacaat acgtgtgaat gaatatttaa tcaagctaaa 240

tgcataattt cttttcagtt tatctcgctc tcaccacaca cacagtatct ttcaaataat 300

atgcctatgt tattaatagc ta 322

<210> 5819
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5819

agcttctata aaaggctcgn ttctaatttc tgtacaattg catcacctct caatgagctg 60

gtgaacaaaa atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gttcttcctg acttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcacctt 240

attgcttgtt ttagtgaaaa acttaatagg gccaccctca actaccccac ttatgataaa 300

gagctttatg cc 312

<210> 5820
<211> 324
<212> DNA
<213> Glycine max

<400> 5820

agcttgcgca tgcttttccc ttttgaggat gttccatatg ctcttaagac tggactgatt 60

catttgcttc caaagtttca tggccttgca agagaagacc cgcacaaaca tttgaaagaa 120

tttcacattg tgtgctccac catgaaaccc cgcagatgtc caagaggatc acatatttct 180

gaaagctttt cctcattcat tatagggagt ggcaaaggac tggctgaatt accttgctgc 240

aaggtccatc acgagctggg atgaccttta gagagtattc ttagaaaaaa tttttcctgc 300

ttgcaggacc acagtcatca ggaa 324

<210> 5821
<211> 320
<212> DNA
<213> Glycine max

<400> 5821

agctttgatg tttatagaga atttagagct ctagagaata cacggagaag aagagagcgc 60

gagcaaaata ggttgcgtca aatataattt aaaatgtaat ttcaacatcg gttttcaata 120

aaaaaactga tgttaacaaa ttgatgttaa atgatcatac gttaacatcg gttttctaca 180

aaactgatgt taacggatac acattattta caattatgcc accgcgtgta tgttaacatc 240

gattttgtca aaaaccaatg ttaatctgtc gatgttaaaa ttgctttttg tagtagtcga 300

cggtcgcacg aaaaacacaa 320

<210> 5822
<211> 329
<212> DNA
<213> Glycine max

<400> 5822

agcttctcga tatattatgt ccttgaatca tacatctgtg ggaagagtta tgaccatttg 60

aatttctcga gagctaccgt agttcaattt cgagtatctc gatatactat tttcccaaat 120

cggatatcct tgtaataagt tatgaccatt cgaatttctc gagatcttct gttgttcaat 180

ttcaagcgtg tcgatatatt atgtcctcta atcagacatc cgagtgaaat agtatgagta 240

gtcgattttc tcgagagttt ccgttgttca atttcgagtg tctcgatata ttatttcccc 300

gaatcggaca tccatgtgaa atgttatga 329

<210> 5823
<211> 323
<212> DNA
<213> Glycine max

<400> 5823

agcttgtaat tgattacact attactgtaa tcgattacca gagcagattt tcagaaaata 60

ttctcaacag tcacatcttt ttatgtggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaggtctt atcctcttat 180

aaagcaaaat cgttttatcc tcttacaaat tccttggcca aattacttgt gattcaataa 240

ggaattattt gagtgctcaa attgttcaat ctatctcttt caagaaagat ttcttctttt 300

cttcttcttc attctgaaaa ggg 323

<210> 5824
<211> 315
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5824

agcttttata gaatgttcgn tcctaattnc ggtacaattg catcacgctg tcaatgagct 60

ggtgaagaag aatgtggcat ttacctgggg tgaaaaacaa gagcaagcct ttgctttgct 120

caaagaaaag cttactaagg cacctgttct agctcttcct gacttttcta aaacttttga 180

gctagaatgt gatgcctctg gagtgggagn tggagctgta ttgttacaag gtgggcaccc 240

tattgcttat tttagtgaaa aacttcatag tgccaccctc aactacccca cctatgataa 300

agagctttat gcctt 315

<210> 5825
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5825

agcttatccc atgcttcttt ggtcgtcgtt tcgtnggata tcttctcgga tgtatcttca 60

tccaccgatt gataaatgag aaagagagct ttcttgtctc tctttcttga ctccttcaac 120

gtctccttta caccttggct tagcgaggct tcatcttgct cctcgaagtc attctctacg 180

atatcccaca catcttgagc tcctagtagc gccttcatct tgatactcca attatcatag 240

ttgttctttg tgagcatcga cacttggaaa ggaaaacctc cattcgccat cttttgagga 300

tcttgaagct ctgataccac tttgttgga 329

<210> 5826
<211> 310
<212> DNA
<213> Glycine max

<400> 5826

agcttttagc aaattctaac gacaataact tggtactcag atgtctgact gagtcctgta 60

atatatcgag acgctcagaa ttgattatat atatcgagac cctcagaatt gattatcgaa 120

gctctgagca aattcaaatg acaataactt tttactctga tggctgattg agtcccgtaa 180

tatatcgaga cgctcgaaat ggagtaccga agctctgagc aaattcaaac gacaataact 240

ttttacttgg acgtcggatt cagtcccgga agaaatcgag acgctccgaa atgaatagcc 300

aagatctgaa 310

<210> 5827
<211> 319
<212> DNA
<213> Glycine max

<400> 5827

agcttgcatg cagctatgaa gatatccaaa tacaaccata gggctcaact tttgggataa 60

acccaaattc atgaaccatt ttatgaaata gtatcttccc ttcttgccac aatcctgagt 120

gactacaagc atgaagagct ccaatgaatg tgatgtcatt atggatgacc cctagtgctt 180

ccatttcttc agagttccaa tgctgcctca ccatgaccat gcattgcaaa accagatatc 240

atggcatttc acattgaaac atcacggtcc atggccgcag caagcagtgc atctatgtct 300

ccacacttgg catacgtgt 319

<210> 5828
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5828

agctttaacg catgtgctat cttctaagaa acaanccaag ggttttggta ggtgttaaat 60

atccctactg aaaggcattc taacgatgat agtcctcata ccaatccaac tctgaaacag 120

gaatagactt ttttagctac acctaagcgg gccccataat ctgcatctta atgaatcacc 180

cgtagttttt ttgtccatac aagatcaatt actgcacaga aaaatgcatt ctttttttggg 240

ccaaaacaac cagccttgaa tgtaaaatta tttgcaacaa ccaaa 285

<210> 5829
<211> 458
<212> DNA
<213> Glycine max

<400> 5829

cttcgagcgt ctcgttatat tataggactc aattagacat ccgagtaaaa agttattgtc 60

gtttgaattt gctcagagct tcaacattca atttcgagcg tctccatata ttacgggact 120

caatcagaca tccgagtaaa acgttattgt tgtttgaatt tgctcaaagc ttcaacattc 180

aatttcgagc gtctagatat attacaggac tcaatcaaac atccgagtaa aatgttactg 240

tcgtttaaat ttgcttagct ctccagcttt aaatttcgag cgtctcgata tatgacggga 300

ctatatcaga catccgagta aaaagttatt gtcatttgaa tttgcttaga gattcaacat 360

tcatcttcga gtgtctcgtt atattacggg actcaattat acattcgagt aaaaagttat 420

tgtcgtttga attgtctcag agcttcaaca atcaattt 458

<210> 5830
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5830

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caggaccaat tctttcaata acttggaatg ggccatagaa tcgtttggca agtttggcgg 120

aagctgatga agttcccttg gtagaagact gtcgataggg tcgtaaccgg agaagaaccc 180

aatcgcccac ctgataattc acctcctgac gcttgtgatc agcttgcttc ttcatctggt 240

cttgtgcctt tagtaatttc ttgcgaatgg tttgaaaagt agcgtctcta tcagttaaca 300

agtcctcaac agcttcaatg tttgacgtgc cagagatgta ttctagaaaa ttaaatggct 360

tccgaccaaa cgttacctcg taggggttg accctgtccc tgcattccat gaagtattgt 420

gggaccactc aatccatgga aggagcttac cccatttat 459

<210> 5831
<211> 439
<212> DNA
<213> Glycine max

<400> 5831

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tgcttttcta agaacaccca caatagacta tcctttatct gaagttatcc ttttgattga 120

tcatttttac cacaaaaaca aacatacacc ccaatgcata agaaccccca cgtaatagta 180

caaaaagtaa acgaacacaa ccttacctcc gcaagatgaa taatgcatat gtatcttgat 240

tagtatcaat ttataattgc tttgtgtgtg tgttgatata tattaactat tataaaatca 300

atatatttat cttaaaatta ttacattatt aatgcataac ctatttttt atattaaata 360

tagaatagat actttcttta taggaataga atatatatac ttataagtta ttagtatgag 420

aatacccaac acaatctct 439

<210> 5832
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5832

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ttattggcgc gaactaagaa agattgtaaa cttagaaatc ctctccaatc gccgagtaga 120

gcaactagag aatgttcgtg tctccgaagt tcaaagttcg atcaaagagc tcttcaatgt 180

ttggtcaagc aacaagaata atgagtctgg ctatgcgttg ctggagctga agcaatggtt 240

ttctcaattg acatacaaca tggttcttcg aatggtcgtc ggaaagcgac ttttcggtgc 300

tagaactatg gatgatgaga aagctcagag atgtgtgaag gctgtgaagg agttcatgcg 360

tctgatgggg gtgttcacgg tggcagatgc tattcctctc ttgagatggt ttgatcttgg 420

tggctatgag 430

<210> 5833
<211> 259
<212> DNA
<213> Glycine max

<400> 5833

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atgtccgatt gagccctata atatatcgag acgctcgaaa ttgaaaacgc aagctctaag 120

aaaagtcaaa cgacaataac tttaaactcg gatgtccgat tgagccctat aatatatcga 180

gacgcccaac aaatgaaaac ggatgctcta tgaaatgtca aacgacaata actttcgact 240

gggatgtccg aaagtgccc 259

<210> 5834
<211> 415

<212> DNA
<213> Glycine max

<400> 5834

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ctcaaaattg aatgttgaag ctctgagcca attcaaacga caataacgtt ttactcggat 120

gattgattga gtcccgtaat ataacgagac gctcgaaatt gaatgttgaa gctctgatcc 180

aattctaacg acaataactg tttactcgga tgtctgattg agttccgtca tatatcgaga 240

cgctcgaaat tgaatgttga acctctgagc caattcaaac gacaataact ttttactcgg 300

atgtctgagt gagtcccata atatatcgag acgctgcgaa atgaatgttg acctttgagc 360

caattcaaac gacaataact ttttactcgg atgttctatt cagtgacgta atata 415

<210> 5835
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5835

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ctgcatgtct ttgacagagt tacatctgta ttccaatcaa cttgagggaa acattccaag 120

tgaactggga aaactaagaa aactagtgga tcttgaattg ttttcaaatc aattgacggg 180

tgaaattcca ctcagcatct ggaagattaa atctctgaag catctccttg tgtataataa 240

cagtctttct ggggaacttc ctttggagat gacagagctc aagcaactga aaaacatctc 300

attgtttagc aaccagttct ccggagtcat accgcaaagc ttgggaatta acagcagttt 360

agttcttttg gattctacaa ataataaatt cactggcaac atcccaccaa atctgtgtgt 420

tggcaagaaa ttaaacatcc tgaatntggg catcaaccaa cttc 464

<210> 5836
<211> 407
<212> DNA
<213> Glycine max

<400> 5836

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cacatcacac agtagaatct gaatagtata tatagtccct ttctatataa acgtgctatt 120

gcgatttcaa ttggtactac tcttttgttt gctacagatt atggagttga cccaccagag 180

acttgaggaa gataaaaata tagatgaggc acgagtggct cacgaagctg caatggcaat 240

tgctgagata gagaaagcaa gatgtatagc agccatggaa actgctgaag catctaagac 300

aattgcagag gtggaaacac atagacaagc gagtgttgaa gttaaatctc ttaacaagca 360

taggaaatga cgaagctatt ggaaaatcta ccccaaactg atgtgag 407

<210> 5837
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5837

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gttagcatat gtgatactct ccatataagt atactcttca gctctctttg gggattgact 120

tacacttagt ttgaattgat catatatagg tgtcacaata ggccaacttc gaatttgaca 180

ttccaaacct ttcaataaat ttattgaggt atgtctcttg agatagatac aaaatcttct 240

tctttctatc ccttttgatt tccattccca atattctcct tgttgtccca agtccttcat 300

ttcaaattcc ctttttaact cagctntgac cttggtaatt tcggccttac cgttacttgg 360

tattaacatg tcatcaacat atagcagtag gattacaaag gtacctttat tccttttgaa 420

tagccatttt caattgacta cccttgaacc aatgggcttt ttgat 465

<210> 5838
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5838

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caacagtcac atctttttat gtggttcttg aatggctatc aaaggcctat atatatgtga 120

cttgagacac gaatttgcta agagtttctg agaacaaaaa ggtcttatcc tcttaaaaag 180

caaaatcgct ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240

ttatctgagt gctcaaatcg ttcaatctat ctctctcaag agaaattact ccttctcttc 300

ttctttattc tgaaaaaagg attaagagac cgagggtctc tngttgtaaa gaaatctgaa 360

cacaaaggaa gggttgtcct tgtgtggttc agatctcgtt atacgctctt acaagatact 420

ggaactctca agccggttgc ttgaggact 449

<210> 5839
<211> 389
<212> DNA
<213> Glycine max

<400> 5839

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ttatatcgag acgctcgaaa ttgacaatat atcgagacgc tcgtaattga aaccaaatgc 120

tcgaagcaaa ttctaacgac cataactttt tactcggatg ttcgaatgaa tcccataata 180

tatcaagacg ctcgtatttg aaaacataag ctctaatcat attctaatga taataactgt 240

ctactcggat gtcagattga gtcccgtaat atatcgagac tcccgtaatt gataacggat 300

gctcgtacta atttaaatga caatattaat atgctctata ttgagcaatg gagctcttga 360

gcaattcaaa tggtcatcac ttatatttt 389

<210> 5840
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5840

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actttaagtt atttttttatg gattgtacga gaaatgagag tattggattg tcagacttga 120

gcaccaaata acgctactaa aaaagatatg agaaaattct aagttactga ttaaatataa 180

ttgaattttc tcttatcata ttacttttaa aatgatcata tcaaacatac aataaattaa 240

ataatcttta tttccatttt gaaaatttac gaacatgtga catcaaaaag gaaattttat 300

gaacatagta ttatggggat agaatacaaa anttcaattc aaaaataaat tctactcaaa 360

agtatctcat ataaaaatta atcaacttat atagcaaaac aactaataaa atagttaact 420

ttcacaggtt ttccccttttc taaactagac aaattgtatt acaataat 468

<210> 5841
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5841

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ggaagtgttg acagtggcca ctgtggagga tctagtaatg taatcaggca aagtgtgggg 120

agaatggccg tacagagctt taaacaaaga cattctgatg gcagagtgaa aggtggagtt 180

gaaccaatat tctgcctagt tgagataatt gaaccaaagg caaggatgct tactgacaaa 240

gcatctaagg taagattcca aacttctatt caccacctat gtttgaccat cggtctctgg 300

atggtaggca atgctgaact gtaattntgt gccttgcatt ttgaacaatt ccttccaaaa 360

agcactgaga aagagaggat ccctatcaga ggtgatagtt attggaagac catgtatgtg 420

gcatctctta gtggagaagt gataagctaa atttgtagca gcatacttt 469

<210> 5842
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5842

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gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120

atttacctgn gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt 180

gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcanga gtgaccatgg 240

cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcactcatga 300

gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa ataggactnt 360

gcaagaagct gctagggtca tgcttcatgc caaagaactt ccctataatc tctgggctga 420

agccatgaac acagcgtgct acatccacaa cagagtcaca cttagaag 468

<210> 5843
<211> 466

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5843

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aaaatctgct tctggacttc taacccagtg gtgtagcaca ttattgaatt ctcaagttgg 120

cccagcatag cataggtgtc tcccagttgc atgtgaccag caaatttagc aagggcatgt 180

tgttggcttt ccccaataac aggaatctca attgagcgct caagaatcgg aattgcctca 240

ccatattgac ccaagctgca atatattgct gctgtaacat gtaaacacat aaccagctcc 300

aaacttggtt tcccattacc aaacttctca aacagttcca ttgcttgaag agctaagtca 360

agagccttct gcggattatc cnctgatgaa atcagatctc ttgcctgctn tagcaataca 420

agtgcgcgct caggtttttc taatgctgac tcagccatac tctcaa 466

<210> 5844
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5844

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agaaatctgt accagtcgca agagtctgtg gtttatgctc ctctactgac caccatacag 120

acctctgccc ttccatgcag caacctggag caattgagca gcctgaagct tatgctgcaa 180

acatttacaa tagacctcct taacctcaac aacaaaatca accacagcag aacaattatg 240

acctctccag caatagatac aaccttggat ggaggaatca ccctaatctc agatggtcta 300

gccctcaaca acaacaacag caacctgctc cttccttcca aaatgttgct ggcccaagca 360

gaccatacat tcctccacca atccaacaac agcaacaacc ccagaaacaa caaacagttg 420

<210> 5845
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5845

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ctctttgtga agcttattag aaagggaaaa aagtaaaaag ttattttaaa gccaaaaatg 120

ttctttccac tttgaggcct atagagcctt ttgcaccttg acttgcttgg accaaccagg 180

actacatccc tttttggatg cagatatggt ctggtcatag tggactatta cactaaatgg 240

acatgggtta ggttcctagt ccacaaggat gagtcttttg ataccttcta ttaattctat 300

aaaaagattc aaaatgaaaa aggcatttgt atctcttcaa tctgaagtga tcacggcaga 360

gagtctgaaa atgatctttt tgaacaaaat tgtgaagaga atggtattca ccataatntn 420

tccacttcaa ggacaccaca ac 442

<210> 5846
<211> 336
<212> DNA
<213> Glycine max

<400> 5846

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tggcttttcg aactcaccat ggccactacg agttcaaggt catgcccttc aggttgtgca 120

acgccccatc ctcttatcac gcgaccatga acttaatatt ccgttcatac ctttgccact 180

ttgtcgttgt cttcttcgac gacattctgg tatacagcgg ttcattagag gctcatctgc 240

ttcatttgga gatgactttc caggtattac ttgacaacca ctttgtcctg aagctctcta 300

tatgcttttt tggccaaccg catgtcgaat acttgg 336

<210> 5847
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5847

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attcctccaa atttgggaga ccagatacgt caggaatctg tgttaaacat ttgcacccgt 120

caaaattcaa tgttcttaga tttacgaaca tctgccaaaa aaaacagaaa caagaaagaa 180

ataagaacag aatgattaat cttaaaagtg aatntattaa ataacaagat gtggaaaatg 240

tactctttaa gcttaccttc cataagccat cccactcaaa tgacgaaata caactatagg 300

gtaacttgca tatggaaagt tttttcggat gaaaatcaga tggtaaacaa tgtgaaggat 360

atctccacca ttccagtact ctcaaattgt ttggaagata tttgggacct ttggaaaant 420

taccatttct aataataagt gtcttgaggg ttttcatctt cttga 465

<210> 5848
<211> 250
<212> DNA
<213> Glycine max

<400> 5848

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taaccatcct tcactgctag agggaagggt tgttggttat accggtcttt cataacgtaa 180

atccttctgc tgtcagacac ctgaaaggta gttatggaca agcaatggct aagcatcaga 240

agaggttcca 250

<210> 5849
<211> 434
<212> DNA
<213> Glycine max

<400> 5849

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cgccagactc tgtggtttat gctcctctac cgaccaccac acagaccttt gcccttctgt 120

gcaacaatct gaagcaattg aacagcttga agcttatgct gcaaacatct acaacagaac 180

aattatgacc tctctagcaa caggtacaat cccgggtgga ggaatcatcc caaccttaga 240

tggtcgaatc cttcacaaca acagcaacaa caaccttatt ttcaaaatgc tgttggccca 300

agcagaccat gcgttcctcc actaatctag cagcaacaac agcaacagca cagccccaaa 360

aataacaaat agttgaggcc cctccgcaac cttcccttga agaacttgtg aggaaaatgg 420

ctatgcaaaa catg 434

<210> 5850
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5850

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ccctctcatg ttgctgcaat tgggccaaat tccaacccta gtggtctcat cagctgaagt 180

ggcaagagaa ataatcaaaa aacatgatat tgccttttcc aaccgcccac aatctacagc 240

tgctaaaata ttactttgtg gatgatgcaa tgatataaaa aacaaaaata ttgaacatgt 300

tgaaaaccat aagtaataca ctcagatcaa acagggaaga gaaaaaaaat aattttcaca 360

ggtatctttc tcttattatt tccactagct caaatctgat tggtgtgttt tatgtaaagg 420

gaggaataga cttagtaatc aagattgaga gcactccatc ttatntaaaa aac 473

<210> 5851
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5851

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gacttccata agaattgaag tccttgcgtt ccaccccatg ctcaacaagg tatttggcag 120

caggactgtc cttgtgaatg cttccagctg gagaaatatg atcagtggtt atactgtcac 180

caaaattcag taggcaataa gcatctttta caccatgagg tccaggagga tccatggtca 240

tgctcttgaa gtaaggggt tcatggatat atgttgagtc agggtcccat gagtatagag 300

tgtcagcagg aacttgtagt tgattccaca ttgggttccc tttggtaata gcctcatatg 360

tacttcgaaa catctcaggc aacacactgg attggacaac ctaagataaa agtcacccaa 420

ag 422

<210> 5852
<211> 376
<212> DNA
<213> Glycine max

<400> 5852

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taatgtcatg gtgtgggtag cttctaatca tatcttgcaa ccttttccaa gcttcaggta 120

gactctctta ctgccattgc acaaattttc taatgtccct aatgtactga tccatcttca 180

tgggagagaa atactttctt aagaaggcac ttgtgcactg gttccatgta gtgatgccac 240

tctcaagtgg tgaacacaac tagtcccttg cctttccatt gagagagaaa ggaaaaacat 300

aaagtctaac atactttgtc agtacacagt tctatctcac cgtgttggtc aactgatgaa 360

cttcctcaag tgctat 376

<210> 5853
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5853

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ggcctgcatt tgttccatac aatgaaagct acccatgggg ttgaacctat aggtgaccat 180

tatgcttgtc ttgtggactt gcttggcaca tccggtcgag tcaaagaggc ctattaactg 240

atcaatacaa tgccatctca atttgaacaa agtatatgca tggagtatct tgcttggtgc 300

ctgtacgatt caccagagtg tagaatttgg tgaaattgca gcaaatcacc tgtttgtctt 360

ggagccaaat gtagctaacc attatgttct aatgtccaac atatactcct cagctggact 420

atgggaccag gcattgcgag tacctaatac aatg 454

<210> 5854
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5854

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cggtatatat cgagaggctc caaattgaaa acggaagctc atatcaaatt caaaggacaa 120

taacttttta ctcggatgtg caatagagtc ccgtaatata tcgaaacact ccagattgaa 180

aatggaagct cgtatcaaat tcaaacgaca ataacttttt actcagatct ccaatagagt 240

cccgtaatat atcacaactc tccaaattga aattggaagc tcgtatcaaa ttcaaacgac 300

attcactttt aacttggatg tccgattgag tcccgtaata tatcgagacc gctcaaattg 360

aaagcagaag ctctaagcaa attcaaacga caataacttc ctattcggat gtccgatcaa 420

gtccgtaata tatcgagacg ctctaaa 447

<210> 5855
<211> 397
<212> DNA
<213> Glycine max

<400> 5855

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gagacccgta atatatcgag acgctcgaaa ttgaatgttg aagctcttag caaattcaaa 180

cgataataac tttctactcg gatgtctgat tgagtgctgt aatatatcga gacgctcaaa 240

attgaatgtt gaacctctga gcaaatgcaa acgacaataa tctttttctc ggatgtgttg 300

ttgagccccg taatataacg agacggctca aattgaatgg tgacctctga gcaaaatcaa 360

accggaatat ctttttttctt gaatgtttga atgagtc 397

<210> 5856
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5856

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aatctgtacc tgttgcaaag gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagccgcc tgaagcttat gctgcaaata 180

tttacaatag acctcttcaa cctcagcagc aaaatcaacc acagcagaac aattacgaac 240

ctttcagcaa tagatacaac cctggatgga ggaatcaccc taacctcaga tggtccaacc 300

ctcagcaaca acaatagcag cctgctcctt ccttccaaaa tgttgctggc ccaagcagac 360

ctacattcct ccaccaatcc aacaacaagc acaacccc 398

<210> 5857
<211> 460
<212> DNA
<213> Glycine max

<400> 5857

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gccagctggg ttaccaagtt aaccaatgca tccagttttc cttcaagctt cttagtttca 180

gatgatgcag atgggtttgt agctacctca tgcactcctc taatgactat ggcatcattt 240

ctggcgctaa actgctggga gttggaggcc atcttctcaa ttaaatttct ggcttcagca 300

ggagtcatgt ctccaagggc tccaccactg gcagcatcta tcatacttct ctccatatta 360

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ctggcacata gtttcttaaa tcgcttccag tactcataca 460

<210> 5858
<211> 428
<212> DNA
<213> Glycine max

<400> 5858

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tcaaagtctt tggatgaagc aacaatgatg taagctccat tggagcttgt aggcctagga 120

tcttcttcat caatggattc ctttgcttct tggaagatga atggcagcgg aatggagaaa 180

ggaagagaga gaggagacgc cacttcaagg agaagatgag tctagaagaa gctcaccacc 240

ataggaggcc atggataaga gcttggagga agaatgagat gaatgaacgg agagggagag 300

aagagcacga tattttgtgc tctagatgag ctttgagatc tgaaagttaa tatgcaaaga 360

tcaaagctga aaaaaatgca cacacatgac ctctatttat agcctaagtg cacacacaat 420

ggagggaa 428

<210> 5859
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5859

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ggatcataca aagttgctgt ggttaacagg aagagaccct caattcttgc accttctagg 120

caaaagttga cccaacttcc aggaacttct attgagggag ttgaaaaggg tggctacatt 180

atttcagaca actcgtcagg taacaagcct gatgttattt tgattggaac tggttctgag 240

ttggaaattg ctgctgctgc tgctgaggat ctaaggaagg aaggaaaagc tgttagagtt 300

gtttcttttg ttagctggga actntntgat gagcagtcag atgaatacaa agagaggttc 360

tccctgc 367

<210> 5860
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5860

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tgtattcgtt taaaatgcat gaagatagat cagtaggaga acaattggat ttgtttaata 120

aactgattct agatcttgaa aatatcgatg tcactattga tgatgaggat caagctttgt 180

tattgttgtg ctctntgcct aagagttact ctcatttcaa agagacttta ttgtttggaa 240

gagattttgt ttctcttgat gaagtgcagg ctgctctgaa ttcacaggaa ttgaatgaaa 300

gaaaggaaaa gaagtcctct acaagtggtg aaagggtgac agcaa 345

<210> 5861
<211> 364
<212> DNA
<213> Glycine max

<400> 5861

caagaatagc aacttcctca taaaagatgc gatggggata gggctgagca ccgggaaaga 60

tgaaacttcc cctggtgtaa ttcacaaatc taacattgag ggaaagcatt tcagcaaatt 120

tcaatatggg tgggattgca agcagtagct ttgtagcacc acaggttttg atgatgatct 180

tgtatgcata aacaaagaga ctggactcat acagaacata ggagtcgaca tgatcatttc 240

tgagagatga aacaatggtg caagcagccg gtgtaagtat ctcatccaac tgggactttg 300

caagagcttc taaacccatt ccctcagggt cagcaaaaag tccggctgga aaaaggatat 360

ttcc 364

<210> 5862
<211> 446
<212> DNA
<213> Glycine max

<400> 5862

tcgtaaatct ctataaggcc tcaaacaatc tccaagggcg tggtttgaca ggctaacaat 60

agttgtcaag caagatggtt ttgctcaatg ccaaacaaac catactatgt ttgttaagca 120

ttctctggat ggaaagatag ctttgtttat tgtttatgta gatgatatca taattctagg 180

agacgattat gatcaaataa atcatctgaa gaatcttcta gccgaggaat ttgaagtcaa 240

ggatctacgc cagctcaagt attttctagg gatggaaatt gctcggataa agaatggtat 300

ttttgtttct caaagaaagt acactctaga tttacttcaa gaaacgggga tgcttggatg 360

caaagcagcc aatgctacca tagaaccagt caaaaggagt gaagaggaga gtgtagcagc 420

tgacaaagat agatatcaca gtctag 446

<210> 5863
<211> 425
<212> DNA
<213> Glycine max

<400> 5863

tgtcataaaa ttgattgata aaaacaacta gagaaaatta ccagccatta acaacaacgg 60

gccagtaatg agctttagtt ggagcatcta atcgatgaac aataactgga tcagccttca 120

tactagaaat tgagaaacct aacagactat gaaatgatgc tcatcagaac tgcataatga 180

atcacaaaag acaagggctg attgctaata actgtggcga caaacctgcc atataaagag 240

aagtcataaa tgaccctgta taaactctat caacagccaa tccatgttct agttgtaatt 300

ctggaactga ttcttcagct gtaatcatta gtaccattgt acgagtgcca cctaacctgc 360

atatgaagaa tcatttcact aaacattcta taggaaaaat atcgtcacaa ggaatcttga 420

acatc 425

<210> 5864
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5864

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aaaagtcttg tgtgcatgag cttggttctg gtacccttga tggaatgtaa tgtgccatgc 120

aatcttttta cgtattattt attcaaattt ttttgagaat taattatttt gaaattcaag 180

agcttataaa aaaatccaat ttttaatgtg acaaattttg atgaggcccg atcacaaaaa 240

tcatgagatt tccttcttat ttatttaatt tttccttta tctttaaata cttttattac 300

cgtatcaaac tatcaattat tttaattgcc ctttaattcc ttcttattta tttaattttc 360

ccttttgtct ttaagcatat tatcccctag ttcctaattt cgtttaatga tcccattagc 420

tctcttggta cggtatcaac aaaactttnt tctc 454

<210> 5865
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5865

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ttgcgccact tctctccatt gaaaactgtc ctttttaaga agctggtgta agggtttaac 120

aatctttcca taatctttta tgagccttct atagtaccct cttagccctt aaaatcccca 180

caggctgtta atatctttag gtactcttta gattctggtg agtggcgaga accacggagc 240

ttctactttc ttgggtcttc tgacacccct tcagctgaga taacatgtcc catatattcc 300

agatttggtc aacccacact gtgtgtcctt ttggtcatca ctagcttatt tcttataaat 360

gcttgcaagt tgcaacacct tcctcaaatg atgaccttga tctttactat gcgaacgtct 420

ggacagt 427

<210> 5866
<211> 470
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5866

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agggaagaat ttctccaaga acaccatttt aaggtcatcc cagctgacaa tggacctgng 120

agcaatagta tagccaatct tgtgccactc cctccaaaga atgaggaaaa gcctttagaa 180

agatatgatc ttcttggaca tcaggggggct tcatggtgga acaaacaata tggaactcct 240

taagatgctt atgaggatct tcacctgcaa gaccatgaaa cttgggcaac aaatgtatta 300

nttcagtctt gagaacatat ggaacaccct catcaggata ttgaatgcac aagctttcat 360

aagtaaaatc aggtgcatcc atctccctaa gagtcctccc acgaggtgga ggttgagtca 420

tgttctctnt atgaaaatta gtagtggaat gctcaaaatc agaatattca 470

<210> 5867
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5867

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gtggatggtg cctcctctca cctcttctcc tttgtcttcc ggtgcatctc catggtggaa 120

aatcaccatt aaaggacctc attgaagctc gaagatccag cctccataga agccccacaa 180

gtaagcttcc atcaacacat gagctcaaag ggaagcttcc aatctggtgg ttgcatgata 240

ggagaggtgg ttagcctttt cctcaactcc tcaaatgcct ctttgcaggg ttggtcaagc 300

acaaagccta tatgtccttt ataagaagct tggacaatgg cagggcaata ctgctgacat 360

ctgnatgaat ctcctataga aacttgcatg tccaagaaaa gaatgcactt cccaccaaaa 420

gc 422

<210> 5868
<211> 399
<212> DNA
<213> Glycine max

<400> 5868

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tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120

ataccaggaa tgtctgccag ggtccagcct atagccttct tatgcttctt gagaacagat 180

aaaaacttct cctcttgctc accagcaagg gatgcagata taattactgg aaaacttttg 240

ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcagttc tggtgtggcc 300

ggctggataa tggtacaagg agatggtttc tcaccctgca cctcataaag aaagcacacg 360

tatgtgtact tctcgaaaca tggttagttc tatctgact 399

<210> 5869
<211> 403
<212> DNA
<213> Glycine max

<400> 5869

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actccattaa gattccttgg gtgaggtggg acatagtctg cctacctaag agtaaaggtg 120

ggttatggat caaagatttg attaaattca acgaggcttt gcttgctaaa tgggggtggg 180

agttggcaaa taatcagaat cagttgtggg ccacaattct attgtgtaga tatggcggtt 240

ggagggattc gatttctcat acgaactgca gtttatactc tccttggtgg agagacctca 300

atgttatctt caagcagcag caaagcacca caattggtaa aaatagcttt attttgccat 360

aggtaaggac ggtccatgga atacaaacca agtacttatt ggc 403

<210> 5870
<211> 486
<212> DNA
<213> Glycine max

<400> 5870

tgctattacg gaactataaa actaagcttc tctttgtgca actgtctcat cctctttttc 60

aggtgtagaa tgaagcttga caggttcagg tgcaggtgtt gctactggtg gaggcacttg 120

aatttggttg ctagacctca aggtgatggc actcacattt ttcggatttt gcacagtttg 180

tgaaggcaat ttgtcagaat tttgggactg agcttggttc atctgagtag ccatctgccc 240

catctgattt gtcagacttt gaatggaggc tcttatctct tgctgaaatt gcatattatg 300

catggtcatt ttgcctcact aactcttcta agggaggttg aggaggagcc taagttgctt 360

gttgtctttg tggtgactgc tgctattgct gttgctgtat tggaggagga acatatggct 420

tgcttggacc agcaacattt tgaaaaggag ggacagactg ttgttgttgt ggaggacttg 480

tccatc 486

<210> 5871
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5871

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ccttttgaag ttgtttatgt ttgtaaccca ctaacttctc ttgatctttt gcctatgcct 120

aatgtttcta tttttaagca taaagaaggt caagtaaagg cggtctatgt gaagaagctt 180

catgagagag tcaaagatca aattgacagg aaaaataaaa gctatgctaa acaagccaac 240

aaagggagaa agaaggttgt cttcgaacct ggagattgtg tttgggtgca catgagaaaa 300

gaaaggttta tggaacaaag gaaatcaaag cttcaaccaa ggggagatgg accattttaa 360

gtgcttgaaa gaatcaatga caatgcttac aaagttgagc tacccagtga gtataatgtt 420

agttccacct tcaatgtctc tgacttatct c 451

<210> 5872
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5872

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acaacttccg tttgtccatc ggtttgcggg tgacaagtgg ttgaccataa caatttattg 120

cccaacttgc tccacaaagt cctccaaaaa tgacttagga acttagagtc cctatcacta 180

acaatgctcc ttggcaaacc atggagtctc acaatctcct tgaaaaacaa atcactcaca 240

tgggaagcat catcaacttt tttacatgga ataaaatgag ccattttaga aaacctatca 300

acaaccacaa aaatggaatc tctaccattg cttgtttttg cgcagcccaa aacaaaatcc 360

atggataaat caatccaagg atactccgga attggcaatg gagtatacaa tccatgaggc 420

tttaccttag actgtgcctt tntacataca atgcaatgtt caca 464

<210> 5873
<211> 229
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5873

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attaacgnat cacaattatg gggctccgaa aaggggtgat aatggagaat tctctaagct 120

atcactacgc atagctacaa actctaaggt ggaggacaca tgaactatta ctcatttcat 180

ggggctccga atagattgag aatggataat tgcactaaaa aatcactac 229

<210> 5874
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5874

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cacccgacga agacactgac aaaaacttat attcttcttc ttggacaaag tatggcaggc 120

tgggggcaag taaattttct tcccatcaaa ccttggatgc aactgtgatc atatacccat 180

atcagctaga tcttgacaga tattcaagcc atccttcgtc ttgccttgaa tgttaaggag 240

cgttccaatc acactgtcac aaacattntt ctccacatgc ataacatcaa tacaatgtct 300

aacctcaaga tcacaccagt aaggaagatc aaagaanatg aacctcttct tccatatgca 360

actctgactt ttatccttct tttgggtctt cccaaataca atattcaggt gtngaacccg 420

ttgatatacc ttgctactag tcaacagtat cggcgcaata tcatgctctt gaacttcatt 480

<210> 5875
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5875

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cncttgtctc aaacccctg taggtgtaaa ttccttagag gggctaccat taatcaaaac 120

taatatagaa gctgagtgga ggcaagctga tatccatgat ctccattttg ggcagaaccc 180

caatctaaac agcatgtagt ccaaaaaaga ccaagacatn gaatcatatg gcctttcaaa 240

atccacctta aatatcatca ctggtttctt gtttctcctt gcctcctcaa ccacctcatt 300

gagtatcaag ataccatgga ggatatgtct tcctttaatg aaggcagact gcctttcatc 360

aattaaccca tccataacag acctcaatct attagacaac aacttggcta taattntata 420

catacaacct atc 433

<210> 5876
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5876

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ggagaaaaga gagggagaga agttgaactt tgaatgatgt agctccatgt ggagcttgta 120

ggccttggat gttcatcatc aatggagtcc tttgcttctt aaagatcaat ggtagtgaaa 180

tggagaagga agaaagatta ttggagacgc cacttcaagg agaagatgag tcaagaacaa 240

gctcaccacc ataggaagcc atggataaga gcttgaaggt agaagaagat gagtggaggg 300

ag 302

<210> 5877
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5877

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tanatctgta cctgtcgcaa gggtttgtgg tttgtgctcc tctgctgacc accatacaga 120

cctttgccct tccatgcagc aacctgtagc aattgagcaa cctgaagctt atgctgcaaa 180

tatntataat agacctcctc aacctcagca gaataatcaa ccacagcaga gcaattatga 240

cctttccagc aacagataca accatggatg gaggaatcac cctaacctta gatggtgcag 300

cccttagcaa caacaacagc agcctgctcc ttccttccat aatgctgctg gcccaagcag 360

accatacatt ccttcaccaa tccaacaac 389

<210> 5878
<211> 400
<212> DNA
<213> Glycine max

<400> 5878

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gcaaaaagtt attgtcgttt gatattgctc agagcttcgg tattcaattt cgagcgtctc 120

gatatattaa gggactgaat cagacattcg agtaaaaagt tattatcgtt tgaatttgca 180

cagaacttcg gtattccatt ttgagcaact cgatatatta cgggactcaa tcaaacattc 240

gagtaacaag ttattgtcgt tggaatttgg tcagagcttc gataatcaat ttcgagcgtc 300

tcaatatatt acgggactta gtcagacatc cgagtaatac gttattgtcg tttgaattta 360

ctcagagctt cggtcttcaa tttcgagcgt ctcaacatat 400

<210> 5879
<211> 385
<212> DNA
<213> Glycine max

<400> 5879

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gatacatggg ataataccca taattataac actccctctc aagctggagc atattaatta 120

tatgcaccat gcttggaaca tataaactga attctatgcc ccctcaagga tttagtcaaa 180

atatctgctg gctgatcatt ggaaataatg aattcagtta caatctcttt tgacagtagc 240

ttctgccgaa taaagtgaca gtctatctct atgtgcttgg ttctctcatg gaatactgga 300

ttggaagcta tatgcctagc agcctgatta tcacaataca acatcatatt gcatcacttg 360

ctgaatataa ctctgcagaa ttagt 385

<210> 5880
<211> 444

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5880

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ccgactaaga cactgacaaa aacttatctn tctccttttg gacaaagtat ggcaggctgg 120

gggcaagtta attttcttcc cgtcagacct tggatgcaac tgtgatcgtg tgcccatatc 180

agctagatct tgacgggtat tcaagccatc cttcgtcttg ccttgaatgt taagcagcgt 240

cccaatcaca ctgacgcaaa catctttctc cacatgcata acatcaatac aatgtctaac 300

gtcaagatca gactattacg gaagatctaa gaacatagac catctctttc atatgcaact 360

cttacttata tccttctttt gggtctgtct aaatcaatat tcatgtgtag tacacgctca 420

tatacctgct caccatacaa cagt 444

<210> 5881
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5881

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gtgttctacc acgcgattca naacttctgt ctacccatca ctntgtgggt gatatgaaga 120

gctcatgtgc agcaaggttc cactcgcatg aaagagttcc tgccaaaagc gactaatgaa 180

caggggtct ctatcggaga ccaagctcct aggaatccca tggagtttga ctacgatgtt 240

gacgaataag gaagcaggca tgtgtgccat atgtgcagtt cgaaggattc ctaagtgaat 300

t 301

<210> 5882
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5882

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atgaatgaca acgcaattca ttcatggngc tccgaaaaag ggtaagaatg gaggatttgc 120

ttgatggtcc tctcttaggc aatcatggaa cacaactcca tactcgaaag tggaggacac 180

acgaacaggc ctaaccaata acattcatgt tgctccaaat aaggatgaga atggatgatc 240

tcgatgaggg tcctatctag ggcattattg aacacatctc ctaacttgat tttggatgtc 300

acatgaatga caacgcaatt tattca 326

<210> 5883
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5883

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aaccttacaa ataggaaatt gaggagctga ggaggaggct taccacctct cccattatgc 120

aaccactaga ttgggagctt ccatttaagc tcatgtgtga tgcctccaat tatgcactta 180

gggttgtttt gtcacagaga gttgataaat taacacatgt cattgcttac gcctcacaca 240

ctctagatgc agcccaagtc aattacacca ctactgaaaa tgagctttta gatattgctt 300

ttgcattata ntaaattaga tcttatntgc tntgctccca tattactgtc tatgtgacac 360

cctctacctc gacatacata taaataagaa aaacattant ttattcattt agactttcag 420

agaccaacat aatc 434

<210> 5884
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5884

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gtcaaaaaaa ctcatgcatg cttntacaaa catcctcctc aatagtctcc cagaaagatn 180

tataaaaatt aaagccatag tcatcagggc ctgtgctttg tcctccttca caacaccaaa 240

caacattctt tatctcttct gaggtgagag acatatatat ccttgaatac tcctcctctg 300

aaagttgttt aaatcgaact ccatctagaa ttggtctatg tatccctggc tcacataaca 360

aatattcaaa gtgtgatctg attgtgggtt aaacctcatc gacctcatgc acccaactct 420

gatcagtatt aatgcgctct agcttatnta tactagttct tattc 465

<210> 5885
<211> 395
<212> DNA
<213> Glycine max

<400> 5885

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agctcaaggc ctgaacctcc gcgtcaaact cctttgactt cccagcagcg aacttattcc 120

caagcatggg agtgctgctc cacgacgact ttctcctggc ggtgacatcg gtgttccata 180

tatgcttcac cgctagttct ttctcgttgg aaagcgtgac cctgtacacg ttccctgaac 240

ctgctattac tatgagattc tcctgcttga tggaatctag aatcttcccc tccttgaaac 300

tcaacacgtg gaacgatatc acgtcccacg tgattttctt caaggaactg ctcccgtatt 360

tctctgcctc cttcatcctc ctcttgagtt gcatg 395

<210> 5886
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5886

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ctgaactttg aagtgtaatt ctcaaatgat caaagttgaa acaatgcaca cacatggcct 120

ctatttatag cctaagtgcc acacaaaatt ggagggaata ttgaatttca attcaaatct 180

cacttgaata tgaaattgaa tntgtggagc caaaatttcg ctaactatga ttagtgaatt 240

ttag 244

<210> 5887
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5887

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atttattatt attatgtaag gtaataaatg tcttattatt tattccctcc tccttcaaag 120

caaagaacaa tgttnttcat taacaacaag attcaaactc attaaactat tcttatcaat 180

taaactaact ctgttgatgt caaatgattc attctataat tcttaatgta tcttctatca 240

tacttttaag ataatatcta ctcattagtt tgttttgata atatatattc tcattaattc 300

acttggattg ttcgttattt tctatgccac ctacatttac tcgattgtgc atatat 356

<210> 5888
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5888

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cctatantgt ttttgtaaag tctcgacttg tcttacatga tagcctagct tagcctacaa 120

gcctatatag aagctcgctt aaaggtcttt gatcaattaa ttattttaaa acctaatgaa 180

atactaatta anaaaaaaag aaacttatta aatttcatat aagtaatgta caaattgaaa 240

aataattgat aaacaaaatc atattg 266

<210> 5889
<211> 165
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5889

acttgaatct cgaatgaatc atagcgaaga aagaactcca caacgaaaag cctcgaaacc 60

aatgtgacga agtctntttc ggcgcattgc ttgttcccat gtgttggaga ctcagtctca 120

ggcccattgg accacatcac gtgcttgagg agctactacc acttc 165

<210> 5890
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5890

agcttctggn ctctttagtc aatgttcaat tcatacgctc agcaatacca ttatgttaag 60

tgatgtaagt ccatgtggag cttgtaggcc tntgattttc ttcatcaatg gagttctttg 120

cttcttgaag atcatggcaa caaaatggag atggaaatca tcgaagcaga atcgaaatgg 180

aagaaagatg attggagacg ctacttcaaa gggaagatga gtcaagtaca agttcactac 240

cataggaagc catggataag agcttgaata agaagaagat gaggggaggg agaaggacca 300

cgaaattttg tgcatcaaat gaggtctgaa ctttgaagta attctcanat gataaaagtt 360

gaaaaatgca catacatgac ctctatttat agcctaagtg tcacacanaa ttggagggaa 420

gattgaatnt ctattcanat ctcacttgaa t 451

<210> 5891
<211> 341
<212> DNA
<213> Glycine max

<400> 5891

tggagaacgc atgaacgaaa atgcaattca tggtgctccg aataagggtt gaggatggag 60

aatcgcacta agaaatcact acgcatggct ccaaactcgt gggtggagga cgcatgaacg 120

aaaacgcaat tcatggggct ccgaaaaagg gttgaggatg gagaatcaca ctaagcaatc 180

actacgcatg gctccaaact cgtgggtgga ggacgcatga acgaaaacgc aattcatggg 240

gctccgacaa agggttgaga atggagaatt acactaagca atcactacgc atggctccaa 300

actcgtgggt ggagggcgca tgaacgaaaa cgcaattcat g 341

<210> 5892
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5892

gcttcaagat caagatctaa gattcaagat tcaagaatca agagaagact taatcaagat 60

aagtatgaaa aggtttttc aaaaactgag tagcacatgg ttttttctca aaacatgttt 120

accaaagagt ttttactctc tggtaatcga ttaccaaatt gttgtaatcg attaccaata 180

gcaaaaagga tttgaaaaag ttttcaaatg aatttccaac gttccaattg attgcaaaaa 240

gttgtaatcg attataatgt ttttggtaat cgattaccag tgcctttgaa cgttgaaatt 300

caaattcaaa agtgaagagt cacatccttt cacataaaag ctttgtgtaa tcgattacac 360

tgatntggta atcgattacc agtgattgtt tctgaataaa tcacaagatg taactct 417

<210> 5893
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5893

ggatcctcta agtcacctgc ggcactgcaa gcttgatctg cctctatatt ntcaacaatc 60

ccatcctccc tccagataat gagtttctgg tggagagtag atggcacagc cccaactcca 120

tggatccatt cccttcctaa tagcaagtta aaattagcct tggactgtat caccaggaat 180

aaagttggtc gaactatact gcctacagca acatctactt gaatggctcc caaagaatag 240

ccagttttac cctcataatt cgaaagcaca atgttgtggg cagatagatc agtgtcatgt 300

ttcccgatct tgtagagcat agatcgaggc attaagttaa cagccgctcc tccatctatg 360

agcactntgt tgattccaac attctcaact tttgccctga tgaanagagg tttgagatga 420

cttntcatcc gaanatctgg cttttcgaaa tagggctaat ggtcttccac acagccattg 480

gtcataacat agtagcacac tg 502

<210> 5894
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5894

taaacattca actntgtgcg tctcgatata ttattggact caatcagaca tccgagataa 60

aagttattgt cgtctgaatt ggcttaaagc ttaaacattc aactttgagc gtctcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattg ctcgttgaat tggctcagag 180

gttcaacatt ctatttcgag cgtctcgata tatcacggga ctcgatcaga catcctagta 240

aaaagttata gtcgggtgaa ttgctcacac gtcaacattc aatatttagc gtctcgaata 300

ttataggact caatcgcaca ttcgagtaaa cagttattga ctgttaaatt ggcgcatagg 360

gtcatcattc aatttcgagc gcctcgatat attacaggac 400

<210> 5895
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5895

ctaagcttac anaattctta ttcaatgcaa ttccagcctt tgcatcataa atacttgatc 60

tagaacaata atttaaaaaa aaggttaaca gaccaatcac taacaagaaa atgaataatg 120

tcaagttgtc aacttaaaaa aggcaattgt gttcaataac tttacagctg ttaacataat 180

ttatacctgt tatcaccaac aaagtcggtg gagaccacat catcttcagt gtaaccaaga 240

attcccttca acttgccctc tgattcctcc ctgagaaaga caacattata taagacaata 300

caattgagaa ggaccaatcc caaaatggag gcctttatta ataacaagta atgaaaattt 360

gctttaagac ccaataatac acaacatata tcattagagg agaatcanag aattctgtca 420

ttacttgatn agcattttaa tttcatcata t 451

<210> 5896
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5896

agcttgtgaa aatacaattc aacccttcaa ccccttttctt gtagtanttt tgtcacttca 60

catgtaacat attctccata cttgtaaaga tctttttttat aaaagattta aaatgattta 120

atcatttaac ctttaaagat tttgaataaa aacaagaatt tgagagtttc aattagaagg 180

aaagtaagga aataactata ataattaaga aattatactc acataaccta ttattaaaaa 240

cctaacatga cattgataat aatagtgtta taattaaacc ataaattatc tataaggaat 300

ggaataactt aatcatttca catggttntt aatctctcat ttaggttatt aaaatttctt 360

gatggattag tgtagaaagg tctaggttcg ataggtgtga ttaaggattg agtttagggg 420

taatttaagc ccacctaaca naaaaaagat gggggataga taaatcaag 469

<210> 5897
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5897

ggtgttgctt atgtcttggc atcatcaaaa ccttttacac atacattcac acaaatcatt 60

ggccaaacac ttgtgaatca attgagtatt cttctaagat cttcaatgat gcaagcctac 120

cccccaaggg cattggatag aagactccaa gaagattgga ccagagatgc aagagaaggc 180

cctanggttc tcatgagcct tagggtagat ttcaggccca tgggctaagt atgaactcac 240

ttatctttgt acgcattaga ttaaggtttc attatttttg ggccttgtat atagggctcc 300

ataatgtaga taaggtaccc tagaaatgta ggatttttca gcctttgtat tttatggcac 360

ctagactagt tcttgtatta ggggtagttt tgaatttcac atg 403

<210> 5898
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5898

agcttcgata ttcaacttca gtgctggacc atgccatgac tntctgcttc ctggaccacc 60

aggatatcaa gtttgagcca agaaagatag ctgctcttga tgtggaacgt ctgtcatcaa 120

tatctgatgc ccaatcagca tcatagaaag catagagtgc catatgtttt gaaacagaag 180

caggttgaag gaataaacca tgaaatatag tacccttgag atatcttaat atccttttga 240

ccacaaccca atgagaatcc aatggattag ccatatactg acaaaccttа ttaacaacat 300

aactaatctc aggtctagta agggtagcat actgcagggc acccactact gacctataga 360

gagttggatc atgaaataaa tcagctccat gtttggacaa tntacagttt gtaaccatag 420

gagtagagat agagtgtgcc tcagccattt tgagtttatg aagtagatct ct 472

<210> 5899
<211> 403
<212> DNA
<213> Glycine max

<400> 5899

tcagcttcta atacaataat gtcagaatgc aatgctacag aaacatatgg aacttcgtta 60

agttcaacta gacaaggcat tttatatatt aagaactaac tagtcaaatt gttccaaaaa 120

atgaagtgga tgtagaaaag aatgcatcaa taactttaag ttctaggagc tataccttcc 180

caagtaaatt ggagtgccaa ggaaaatttg ggacagaatg acagaaaacc caggttgaag 240

tggatagtaa agggcaacca aagttggccc caagatctta ttgctccata taaggagtcc 300

atagtttagg gcagatgtaa tacttccctg aacaaataag ggaatttgct ttgtgaaaaa 360

tctaaatgtt tataaatcca tcaaaatcac ccgttagaag atg 403

<210> 5900
<211> 387
<212> DNA
<213> Glycine max

<400> 5900

agcttgcaag agcgcggccc atagaatccc ttgtacgatt tcttattcga cgacgaggat 60

gatggaggcg gcttgcgtgg ctacaaagat ggctcgcttg gcggctaagt gagcgaactt 120

ggagtaaggg caggcgtcgt tcaaggcttt gcaagagagt gttaactcct catcccaagt 180

gctattatgg cccttctctt ctctgcggga gagggcctgc cagaagtaaa agcccactcg 240

ctgagtgggg tttccgagct gggaaacgga ttctcgcaaa cggcttaggg attccgcggc 300

ctgatccggc tccgttgcag ccagagaggc gcactccgcc agagctttga ggaggggatg 360

tacggaggag tccgagccgg agtccac 387

<210> 5901
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5901

agctngaaca ccaggtgagg taatatccac ctgtgatgat aaatagagaa tgggaaacac 60

gatttaggtg gatgaaagac attacagtct taattaaaaa caaggtggat aaataaagag 120

aaggagaata ttcgaagcca ggtcatgagt agtacatctg gcagatctga agcaatcaag 180

tactcattaa ttgttgttgt gttttcatat atcttgtcag taattccctc tggtgcaggt 240

ccaccgtttt ccatattata tttaatccca aaatcctgca acaaggaaac caaatgacag 300

ttacaatcat tcatagttaa tcttacaacc cacaatgtct cagcataata tcataaggga 360

acacccatca actcctacat gtatgttatg gaaatttcac cttactaact taatattatg 420

tcttgttgat atctgagag 439

<210> 5902
<211> 471
<212> DNA
<213> Glycine max

<400> 5902

agctgagcac atggacttgt gtgttgccca gtttcatcat atcttccgta atacttatca 60

cttctatcat atctaataat tttcacattt atgtctaatt gccattttac ttcattgtag 120

taaatttcta aggcatccat tgcctaagaa atctcgggca gtaagtagac ataaccgtaa 180

tgtgaataat catcaataat ggtgataaaa tatcattctt ttccgaaaga actaacatca 240

aaaggtccac acatatcagt atgcacaatt tcaagaagct gagtgcttct tggagctcct 300

ttctttgtat gttttgcttg ttttccctca atacaatcca cacaaatatt tagatccgta 360

aaatctagat aatgaagaat tcattcttta ttaatctttc catcctttct ctaagaatgt 420

gacctaaacg tttatgccac aagagaacag atcgttcatt cactaaatta t 471

<210> 5903
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5903

tggtatctct aactagaggg ttnttgggag tatatctcat gttcatgttc cagacgagag 60

aagagcataa attgatgcaa aagtgacata ctcatcttca ttggttatga ttcaagctca 120

aaagggtaca agttgtacaa cccatactac aagaagatgg tagtcagtag agatgtggtg 180

ttcggcgaag aatgacaatg ggactttgag actcatgaaa attaggggtg ggaataggcc 240

aggccaggcc aggctttaaa aggcctgagc ctatcctaca atgaattctt taggcctgag 300

cctgtcctat agcctatcaa agacttttat tttggctcgg cctagcctta ttaaaagcct 360

agtctggcct gatagtctt 379

<210> 5904
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5904

agcttcccag ctgatgctct ctagaaaata attttcagaa ttgttctcat tcttatgtga 60

ccaaagcaca gcttcaaatt tggccacttt agatgtatca cacaatcaaa taaaggggca 120

actcccagat tgttggaaat cagtaaagca attactgttc cttgatttaa gcagcaataa 180

attgtcaggg aagattccta tgtccatggg cgcccttgtt aatatggaag ccttggtttt 240

acgaaacaat ggtttaatgg gtgagttgcc ttcttctntg aagaattgca tcagtttatt 300

tatgctggac ctgagtgaaa atatgttgtc gggtccaata ccatcatgga ttggagaaag 360

atgcagcaat tgataatctt gaacatgcga ggaaatcacc tctcaggaaa tgtacccatt 420

catctcttgt atttgaaccg tattcaatag ttggatcttt caaggaataa cttg 474

<210> 5905
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5905

cttgcatggg atctntacct tccacagcac attaaaagca ctatcctgat tttcatcaat 60

atggtcccgc atgagcatct tgtacacatt ccccactgtg tatacaccag atgcatcttc 120

cttccaaatc cacttgtctt ctcggtccgg gtgaatgcat caaaaagttg ccttctccat 180

tgaaaatccc actcccagcc tgcagctgca aaacttccca tctgctatat gtgttgggga 240

gattcgaggg gtacacctgt ggaccacgag ccaccacata aagagacctg acaccacact 300

ctaacccaaa accttaaggc tcaggtttat gggtcttctc ctcacttata tggtgctcaa 360

ccgtttcact tctacccgat gtaggacttc acctcacact tgtaacccaa cacatctctc 420

cctcaagtgt gagtctcttc acatggtagt c 451

<210> 5906

<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5906

tgaaggtagg agaagatgag tggagggaga gggagagaag gagtacgaaa atttgtgcct 60

canatgaggt ctgaactttg aagtgtaatt ctcaaatgat caaagttgaa aaaatgcaca 120

cacatggcct ctatttatag cctaagtgcc acacaaaatt ggagggaaat ttgaatttca 180

attcaaattt cacttgaatt tgaaattgaa tttgtggagc caaaatttca ctaactatga 240

ttagtgaatt ttagctatgg ctcagcccac taatccaaga tcaagtccaa gattctccac 300

taagggtgct taggtgtcat gagacatgta gagcatgaag gacatgcaca aagtgtgact 360

atatgatgtg gcaatggngt gtagcaagca aatgctcacc tcccccttata anaattaatt 420

ggattgggct tctcccaatt caattaaatn tatttcccaa cacacacatc anatattcac 480

ttaatgcgtg tgaaaataca a 501

<210> 5907
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5907

agcttgctnt ntgcaattcc aagacacttg agatcttcca agtatattac atgtcctatt 60

tgtacttttc tatctaatgt gaatcctaca taatcagaat atgaaaaccc tgttaagttt 120

aaggaggtgc ctttgggata ccacaaacct acattggttg tgcccttaag atacttgata 180

atccctttaa cagcagttaa gtgagattct ttaggattgg actggtatct tgcacataag 240

taaatgctta gcatgatatc cggtctactt gcagttaggt agagaagtga tccaatcata 300

cctctgtatc ttgattcatc cactgttata cctttctcat ctaagtcaaa gtaggttgat 360

ctagccaaag gagtagatgt ttctttgcat tttttcgtac canacttctn tatcagttct 420

atgc 424

<210> 5908
<211> 392
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5908

agcttctatg gagaatgtta gtgttatcaa ggctattctt agaagctttg aaatagcttc 60

tggcctgaga atcaattttg ctaagagcca actcggagca attggtcagt ctgaacagtg 120

gatcagatgt gctgctgatt tcttgaactg tggaccacta caacttcctt tntgctacct 180

agggctgctt ataggtgtta atccgagaag gaaggtggtg tgggaaccta ttatcaataa 240

attcgaggct agattgaaca aatggaggca gagaagtata tcaatggctg gtagaatcac 300

cctaactaat gttgtcttaa cagctctgcc cttgttttac atgtctnttn tcagggcccc 360

ttcaggagtg attaacaagc tcactaccat tc 392

<210> 5909
<211> 480
<212> DNA
<213> Glycine max

<400> 5909

agcttgttgc agcggagaat atcacagtga tgcgcccaat aaaaaaaaaa taatgattca 60

aatagaatat ttaagttgaa aagtttcaag cggtgaatat gtattaatta attattattt 120

tattgataga aagagagaga ttaaattaag gtggatctaa aaaataaata ggagagagaa 180

aataatttct ttcaagaaat cataataatt agttagtgat aattagttaa cgaataaata 240

attaataaga cttatcctat ttaaagttcc acatgttaaa aaattcctaa caatatcagg 300

aattaaagtg caaatttact cacacaagag tgatgaactg atgattaaga gaactttctc 360

ccgtatgttg tgcggacata attaatttga atgaaattaa ttaatgtaag tttcctaaaa 420

tttctttaat ttaaaatcaa atctagaatt tataactaat tttcaacata aaactaaata 480

<210> 5910
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5910

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aacgttattg tcgttagatt ntgctcatag cttctgtttt caatttcgag cgtctcgata 120

tatttcggga cttaatcgga cgttcgagta aaaagttatt gtcgtttgaa tttgctcaga 180

gcttcgaaaa tcaattttga tcgtctcaat ctattacggg actccatctg acatccgagt 240

aaaaagttat ttattgtcgt ttgaatttgc tcagagcttc tgttttcaat ttcgaccatc 300

tcgatatatt acgggacttc atcgaacatt cgagtaaaaa gttattgttg gttgaatttt 360

ctcagagctt ctggtttcaa tttcgagggt ctcgatatat tacgggactc cattggacat 420

tcgaggtaaa attatt 436

<210> 5911
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5911

ntaacctcat tgtctctcat agtctntaga tgtgggagcc aatccaatcc ttgtgttcgg 60

actctcagcc acttatgata gccgccaatg atcccattac tgcttccccc aagctctctg 120

tcctttcttc atgccgcatc ccatgccttg cgaactcctt ggagtaccct cgcgttgtgg 180

tcactaaaat ctcgtgcgat gaaaggcgtg attgatgcaa gctccattgg agcttgtagg 240

cctaggatct tcttcaccaa tggattcctt tgcttcttgg aagataaatg gcagcggaat 300

ggagaaggaa gagagagagg agacgccact tcaaggagaa gatgagtcta gaagaagctc 360

acca 364

<210> 5912
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5912

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gttgtgtcta aagcaataat tgttgcttcc atgctagaat gcgaaataat agtttgttca 120

gtagatttcc atgatactgc accaccaact aaagtaaaga caaccacttg tcgattttgt 180

ttcattagaa tcagaaatcc aatttgcatc actaaacccc tcaattacat cctaatctac 240

caactgcata tgcaatgtca gacccagaga agtttgtcaa atgcaacaaa gaaccaataa 300

tttgaggata tttatgtgaa aaaattcctt tactcaaact tttctttaac ttaatggatg 360

agtcataaga agtagaaaca tgtttcacat caaaataatt aaacttcttc aatagctttt 420

caacataatg tgattgggtt aaaaccatgt tatcattntt ctttataagc ttaata 476

<210> 5913
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5913

agcttggtgg gtttgaaagt gtcatgaata anattattaa agttagtatt attctttaat 60

caaattgatg tttctcctcc ataattcatg taataaaaat tggtattaaa aattctatat 120

atgaatcgaa ttgttgtagt tcagttgaca acaacacaca ataaatttat ggaagaggat 180

gatttgagtt tgattttcac ataatacatg tgattaagtt ccagatcaag gattagtccc 240

ataatcgacc caaacaccct aagtacaatt gttaaaaaaa aattagtata tattaggaga 300

gtaaaatttt aatttggatt gaaaattaac acacaaatta cttatttttg gtaaagaata 360

aaatctgata gaattattat aaatgatgaa gttttctttt ttaaacattc ataactgatt 420

cattatgctg aaatcatata ttaccattaa aaaagtag 458

<210> 5914
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5914

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cctgaagatg gcacatttgt ggagcaagat ttcgttatta aaggacaatt aggtcttgcc 120

atacaataga tttgacccat caggcctgtt tgaaattatt taacttactg caatgaatcc 180

tagcttggta aataattctt caccgactca tcccatatgg agaaaagtag cttatggtgg 240

tatgcaacct gtttatgatg acaatcatac agatgaatct ttccttgaag gaatggtcat 300

gaatgccagt gtttgtaaac gggacatgct aaaggtgatg ctggactcgg tttccatgtc 360

tgaatattta tgcattgttg ctcttgttga cttggtctgg acttgacact tgcatcaact 420

attgatatat atctctc 437

<210> 5915
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5915

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catccagcag aggtatgttt acctctactt ttctaaatgt ttccaagatc tccctctccg 120

cctcttccat tnttttgttg gaaattgctc ttggagggaa tggaagaggg atatgatact 180

tttgtaaatc agaattacca gtggaagatt cacctgcata gaaattgtta ggtaacttac 240

tctttaaatt tttgtcatca tctttttctg gagtagagtg aggttgggca ggttcatttg 300

cggatgagga agatgctact agttgaggtc cttgacactg ctttcccaac ctcaatgtaa 360

tggcactcac antttttggga ttctggacag atngaaaaaa gtaatctatc agaattctgg 420

gact 424

<210> 5916
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5916

gctcctgtnt tagcttttac ccgatttact caactcattt gaagttgaat gtgatgctag 60

tggagttggc attgnggctg ttttgataca aaacaaaagg cctatagctt atttctcgga 120

gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct atgccattgt 180

gagagctctt gatcattgga atcattantt gcgttctaat cactttatat tgcattcaga 240

tcatgagtca ttgaagtata tcaatgggca gcagaagttg agtccaaggc atgctaaatg 300

ggttgaattt cttcaatctt ttaatntctc ttcaaaatac aaggatggta agagtaatgt 360

ggtggctgat gcactttcaa aganggatgc tttaatttca attctttgaa actcg 415

<210> 5917

<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5917

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tcttctattt tcagattggg gatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta gctggtttct tgaggtgtcc ataggtagca gttgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttatgactnt 300

gtgaagtnta cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc 360

agtcccttca ccagcagtac tttgttcaga ctangaagtc catcatgaac tagctntccc 420

attccaatga tctttccttt agagccatct ccaaatgtca cataactagt ggag 474

<210> 5918
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5918

ggtagcatag tctgatgggg tggagttcac agtcagagag tgttagtgcc ttcaaacttc 60

gttagcagat atttattgtt ttcttttgct gagtatctga agtaaatgtt ttatccatgg 120

caggtcatta ttgtcctgca ttgtcaaaag ctgttaaaac catgaagaag ggagagaaag 180

tgcttctgac agttaagcca caatgtaagc gccgcataat gttttggcga ttagctatta 240

ctaacattct tcatgaaagt ttctttctcg tttctctaat ttggagttat gttcgtttct 300

ttgtcgggtc atagatggat ntggtgagaa ggggaagcca caacaaggtg atgaaggtgc 360

agttccacca tatgcaacat tgcagattac tcttgaatta tgttcatgga caactgtttc 420

tgaagttact gatgacaaga aggtcat 447

<210> 5919
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5919

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ttcctgtgtg acaaaaacaa ttgaaccgcg atatttgtcg ctntctcttc tccttctctg 120

atgacgagtc agaattcggt gacgagttgc aacttgatga gtttgacttt agctttagct 180

tcttcgagag atcaaaatcc acaagcatta tgtgacctgt ttcttggatc atgatgttct 240

ctggctttaa atccctatac actactccaa agttgtgcaa atactccaat gctagaacca 300

attccactgc gtaaaacctt caccatggaa aataaaaaat tgtatcanat catcataatc 360

attcatactt caccgntctt gagagtgagg aaaatggact aaattcgttc tatttggcac 420

atacaaatca tataaaanaa ataatcacac ataaatacct ataataacac 470

<210> 5920
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5920

agctntntcc tcttaataat gaagagttag gtcccattnt tgtgttgggc aacacaccca 60

tctttgctaa aggaaacatc aagtccacta tcacataatt gacttatgct aagcaaatta 120

tgtttaagcc ctttaacaaa aagtacatta tcaatgggag gatagggatc aatacttatc 180

tttcctactc ttgctatctt tcccttctaa tttccttcga aagtgactat tccaccatgc 240

ataggagtca agcattgaac atatactttt ctgatgtcct gtgacgtaag caaccactat 300

ccaggtacca tgattgatgt gttctttttg tggttgaata tatctgcaac ataaattatt 360

ttctaattag gtacccaaat tttcttaagt cctctgttgt tagttcttaa agcattggac 420

gatccagtct ttggtagatg tctacactta gatgtcaggt gtccaacctt tccacat 477

<210> 5921
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5921

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aatttccata tgctggaaaa tcattaatag tacaaaacac cattgtgcgt aacctgaacg 120

tctgctgcac atttgcatcc cacacatcta ccccttcttc ccacaattgt ttcaagtctt 180

cgattaatgg tgtaagatac acatcaatat cattccctgg ctgccttgga cccgcgatca 240

tcatacacag gataatgtat ttacgcaaaa tgcacaacca tgggggaagg ttgtaaatca 300

tcagtaaaac aggccaggaa ctgtggttgc tacttaagct accataagga ttcattccat 360

cagaagcaag agcaagcctt atgttccttg gctcatcccc aaactctgga taca 414

<210> 5922
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5922

tgtgcatcca ataccctgat gaggatgtcc catatgttct taanactgga ctgattcatt 60

tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacatttg aaggaatttc 120

gtattgtctg ctccaccatg aaaccccccag atgtccaaga ggaccacata tttctgaagg 180

ctttccctca tttnttagaa agagtggcaa aggactggct gtattacctt gctccaaggt 240

ccatcacgag ctgggataac ctgaagagag tattcttaga aaaattttcc ctgcttccag 300

gaccacagcc atcaggaagg atatctcang tattagacaa ctcagtggag agagcctgtg 360

tgaatactgg gagagaatta aatactatg 389

<210> 5923
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5923

anngcttgat ttcaaatctt ttttcattnt gaatcaaatt ggctagttta cgaaaaactt 60

tgaaagcatt tttttcaagt ataataacaa ggtccatgta aatcttgaat agtcatccat 120

aattactaag gcataatagt cccctcctat gctcatagtt ctagaaggac caaacaagtc 180

taaattcaag agttcaagtg gtatagaggt tgaaatcatg tttttagatt taagacctct 240

tagaatttcc actaaagaat caagtacaaa cactatgcac atacaattcc ctaattctac 300

tcttccccttg aaccctacaa gaggaagaac aagagttgaa acccaatcaa ctcacacaaa 360

cccttggtaa ctctaaccaa gatcaaaaac aagaaagaaa tcagaattgg attgaatgca 420

cctttatgtg tagatcaaca tcttcaagct ctttgataaa tgac 464

<210> 5924
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5924

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aaaatcattg cttaatcagg atatttatac ttcattgcct cttatgaaat tttaagtatg 120

atatttcaaa tacaagaaaa ttcagcatgt ctttctcata tttaatgtag tatatatatc 180

aaagtagaaa agttgcatgc atgcctcatt gggcattgtt ttacatgcat agaaaacaac 240

aacaacattt gttttattca tatttagttn taattgaatt tgtcacatat aaacaatgaa 300

atataacttt aattntaata ttatatattt agttaaataa ataactttat taaatatttg 360

atgatcccca ttagaataat ttattaataa tttaagttnt tatatnggat gtgttaggga 420

caaaataaca caagaaattg ttgtaattgc anaannaaaa aatatgatat gatatattat 480

t 481

<210> 5925
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5925

agtttaataa ttcattattg ttgtcactta ctccttctgt taaggattag tttttcctca 60

tgttggacaa gtggcctcaa taacttaaga aggggtgaat taatttccca ttaacaaagt 120

tttaaccccc ttctaaatga tagactcaga atgcagaaga agaagcagca atcaattgaa 180

taatattctt taaacatgca agacaaaatt gattgcaata aaatataaga gataagggaa 240

gagagaaatg caaactcgat ttatactggt ttggccactc cccatgccta cgtccagtcc 300

tcaagcaacc cacttgagat ttccactctc tntgaaaact ctnttacaaa gtctgaacca 360

cacgggacaa cccttccctt 380

<210> 5926
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5926

gtgacctata aatctcagct tcttagaagg ttcgttccta atttctctac aattgcatct 60

tctctcaatg agctggtgaa gaagaatgtg gcatttacct gnggtgaaaa acaagagcaa 120

gtctttgctt tgctcanaga aaagcttact aaggcacctg ttctagctct tcctgactnt 180

tctaaaactt ttgagctaga atgtgatgcc tctggagtgg gagttggagc tgtattgtta 240

caaggtgggc accctattgc ttattttagt gaaaaacttc atagtgccac cctcaactac 300

cccacctatg ataaagagct ntatgcctta ataagagccc tccaaacttg ggaacattac 360

cttgtttcca aggaattngt cattcatagt gatcatcaat cacttaagta ca 412

<210> 5927
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5927

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acctggttca agcacgactt tctttctgct tttgttggtt ntccttgcat agcttgcatt 120

tttgttttca atttgagcct tcacttgctt atgcaacttc ttcacatact tagctttagc 180

ctctgcgtcc ttatgcttaa acatagcaat gttagtcata ggcaacaaat caagaggtgt 240

caaaggatta aatccataca ctatctcaaa tggtgaacaa ttagttgtgc tatggacagc 300

ccgattatag gcaaactaaa catgaggcaa acatgcttcc caagatttaa gattnttctt 360

taaaatagtc ctaagtagta tgcctaaagt cctattgact acctcagttt gaccatcagt 420

ntgtgggtga caagtagtag aaaacaacaa tntagtacca atcttacccc tcaag 475

<210> 5928
<211> 446

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5928

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agctggaaga aataggtaag gatgtgagga acaagcctag gcttgtggcc aaaggttact 120

cacaacagga aggtatagat tatactaaaa cttttgctct tgttgctcat ctaagggcga 180

tactcatttt actatccttt gctactcatc atggtatgat gttgtatcaa atggatgtaa 240

actgtgtgtt cctcaatgga cttatcaagg aagaagtcta tgtgaaacaa ccccctgcgt 300

ttgagagttc tatctatcct catcatgttt tcaaacttaa taaagctntg tgtggtttaa 360

agcaagcttc ttgagctcgg tatgaaaagt taagttcgtt tttaattgaa aatggcttta 420

taagaggaaa ggtaaatact atgcta 446

<210> 5929
<211> 438
<212> DNA
<213> Glycine max

<400> 5929

tccttgagaa aattcctaaa gaagctagag cttagctaca cacacctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagagc ttagctacac acccccctata atagctaagc 120

tcacccccat gacaaaatac atgaaaatac aaaaaagtcc ctactacaaa gactactcaa 180

aatgcctcga aatacaaggc taaaacccta tactactaga atggccgaaa tacaaggcct 240

aaacaaaggt aaaatctatt ctaatattta caaagataag caggctcata cttagcccat 300

gggctcgaaa tctaccttaa ggctcatgag aaccctaggg ccttcccttg gatctctggc 360

ccaatctact tggagtcttc tatccaatgc ccttgcggga tatgattgta tcattcctcc 420

ctccttctca ttctctct 438

<210> 5930
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5930

ctcagcttaa catcagacca cttcagggtg ctggaactac ttcatatgga cttgatgggg 60

cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttgttgt ggatgatttc 120

tccagattta cctgggtcaa ctttatcaga gagaaatcag acacctttga agtattcaaa 180

gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taggagtgac 240

catggcagag agnttgaaaa cagcaagttt actgaattct gcacatctga aggcatcact 300

catgagttct ctgcagccat tacaccacaa caaaatggca tagttgaaag gaanaacatg 360

actnntgcag aagctgctan ggtcatgctt catgccaaag aacttcccta taatctctgg 420

gctgaagcca tgaacacagc atgctatatn cacaacagag tc 462

<210> 5931
<211> 451
<212> DNA
<213> Glycine max

<400> 5931

tcactccatc actctccttg atatttaatt cctgtagtaa tgtgttcaac cagacagctt 60

gacaaacact cattgcagct gcaccataca tgaatatgta acctgttgta ctctttctgt 120

catctctgtc tcctccccaa tctgcatcaa tatatcccat taattcctct gagatgctat 180

tgtctttatt tggaaataaa attccagcat tgatggtccc ttttatgaac cttagaatcc 240

tcttggcagc tacgagatga ggaattctgg gtcctatcgt atatctactt accagtccaa 300

cagcaaattc catatcacgt ctcgaatgac acaagtacct gagagaacca acaatctgtg 360

tgaactcagt tgcatcgact ttgtcttcct ttccctcctg ttcaagtaca agacctgcct 420

ccgctggtgt tgctgcttga atacattcaa c 451

<210> 5932
<211> 442
<212> DNA
<213> Glycine max

<400> 5932

tagaaactga attgcgctct cataattacc aaatcggaca cttgattctg aaataatgtg 60

tgatgcaagt gattatgcac tacgagcagt ttttggtcaa aggaaaaata aaattgttca 120

tgtcatacac tatgcaagta aggttttaaa tgaatctcaa attaacaatg ccacaattga 180

gaaagaattt cttgaagtag tgtatgctta ggaaaacttt agattttatt tgataggatc 240

taaagttgtg gtttttactg atcatgctgc tataagatat atgttggtta aagctgattg 300

tgaaccccga cttatctgtt ggattttatt gttgcaggaa tttgatttgg acatttagga 360

tgacaatgga agtgaatata ctgtggctga tcatctttct aggctaacta ttgatgatgt 420

gacttcacaa tgaccttata tt 442

<210> 5933
<211> 295
<212> DNA
<213> Glycine max

<400> 5933

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aggtctttgg gagtaagatt agtgtccttg gattatacgt tgatgatatt ctgctcgcaa 120

cttatgataa tggtatgcta tttgaggtga aacaatttct ctcgaataac tctgctatga 180

aggatatggg agaggcatct tatgtcatag gcatcaagat ccatttatag agatctcgag 240

gaatgctatg cttgtctcaa gaaacctatt tcaccaagtt ttagagagag ttaca 295

<210> 5934
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5934

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agaagcaatg ttcaatgact gccaactggt gctgttgcct ttcaagggtg accagttttt 120

catggccaag gatttggagg caagggtaga ggtgaataag ggtgatgaag atgggttctt 180

tcacaaagag gatatattgg aggcattgaa aactatcatt gtgaaggata gcaaagaacc 240

agggaagcac acaagagaaa accacatgaa atggtgcaag tttttgtcaa ataaggaaat 300

tcagaacana ttcatcacag gtcttgctgc ccagttgaag tccatggctt agctaggatt 360

cggatttctt ggactagaag ctattattta aaatctaaat cttcacattt tcttagtgtg 420

actcttaatt ccgatgggaa 440

<210> 5935
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5935

agcttgcctg cagccaacat aaaaccaaag attgctataa gacaatttag aataacaaat 60

ttaactaacc aaccatatta tataattcca caagtaataa tcaactgcta tctaaacaca 120

tactctntgg gatgctgggc cattgctcga acagattttt tatggtttgt aagagttgac 180

attgttttac ctgaatgaaa atgattgcat catgtgtcag attgagcata taatcactac 240

acagacaagc aagaagatag gaaaaaataa aaccataaat taccatatct aaggtcccac 300

atcttgatgg tagtgtcatg agaaacctgt acaactaggg gatcctgtaa caaaat 356

<210> 5936
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5936

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ttctcaacag tcacatcttt ttatgtggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acaggaattt gctaagagtt tttcagaaca aaaaggtctt atcctcttat 180

aaagcaaaat cgttttatcc tcttacaaat tccttggcca aattacttgt gattcaataa 240

ggaattattt gagtgctcaa attgttcaat ctatctcttt caagagagat ttcttctttt 300

cttcttcttc attttgaaaa gggattaaga gaccgagggt ctcttgttgt gaaagaattc 360

taaacacana ggagggttgt ccttgtgtgt ttagaacttg taaaagggaa ttacaagata 420

gtggaactct caagcgtg 438

<210> 5937
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5937

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tacgagacat cttgctaaac aaagtcaggt tcacgataac tcgcatgtga tttttcttcc 120

atgctatatg tagcaaagtg attgatccag taatgtttga tgagttggaa aatgatgcca 180

caattatact ctgccaattg gagatgtatt ttccccatgc tttctttgac atcatgattc 240

acttgattgc gcatctggtc agagaaatca aatgtngtgg tcctgtttat ctacggtgga 300

tgtacccggt tgagcgatac atgaagatct taatagggta tacaaagaat ctatatcgtc 360

tggaagcatc tattggtgag aggtacattg cagaagaagc catagaa 407

<210> 5938
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5938

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cgatcccatc atttgctcct gtagcaaaac gaagctcgtg ttgagctcta gttgcaacaa 120

caaccctaaa cacgttgtcg ggagaaccac cataacttcc acgctattga acacccacac 180

aaccctattt gcctccatat tcgccatcga gtaccacttc ccccttccct tacaatactc 240

cacgtcggtc gacgacacct catctgtggc ccgcctcgtc caccccgagt tcagcaccat 300

cacggagatc gaggaggtga gcaccacg 328

<210> 5939
<211> 249
<212> DNA
<213> Glycine max

<400> 5939

agcttttatt tgtcatcctt tcttccatgt ttgcaagcat tggcaatttc aagaatgttc 60

atgtggaagt catgaatgca ttcttcctcc ttcatcttca gattttcgaa ttttgtagcc 120

aatagttgca atctggacat cttcactttg gaggttcctt catgagtggt tttcataatc 180

tcccatgcat ccttggcaac tgtgcatgtg ttgatcaatc tgaagatatt cttgtcaact 240

ccattgaat 249

<210> 5940
<211> 236
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5940

nggttcaact gagtagccat ctgccccatc taatnngnct ttctcttaat gtatgctctc 60

gtctcttgct gaaattgcat attctggatg gtcatttgcc tcactaactc ctctaaggaa 120

ggttgagaag gggcctgact tgcttgttgt ctttgtcgct attgctgcat tggatgagga 180

acatatggcc tgcttatact agcaacattc tagaaatgag ggacaaattg ttgttg 236

<210> 5941
<211> 251
<212> DNA
<213> Glycine max

<400> 5941

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atctcgagag cttccgatga tcaatttcga gcggttcaat atattatgcg cctgcagcgg 120

acctatgtgt ggaaagttat gaccattgga atgtccccac agctctctgt gttcagtttc 180

taagtcctca atatataatg cgcctgagtc tgacattcta cgtgtaaagt catgatccat 240

tctaattgct c 251

<210> 5942
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5942

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aaatgcatga ccattcgaat atctcgagag cattcgttgc tcaattatcg agcgtctcta 120

tatgtgatgc gcccgaatcg gacctatgag tgaaatataa tgaccatttg attttcttaa 180

gagcattcgt tgttcaattt ccagcagcta gatattttat gacgctgaat cggaccttcg 240

agtgaaaatt attgaccatt tgaatttcgt aagagctttc gttgttcaat tccggcgtct 300

cttttttatat gcgcctgaac cggaccttcg attaaaagta tgaccatttg attattcgcg 360

agagcttctt tgtgtaattc aagcgtcttt atattgatgc cc 402

<210> 5943
<211> 407
<212> DNA
<213> Glycine max

<400> 5943

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tctgcagctc ctataaggaa gtactgaggc acttgccata agattgacaa gggaacggtt 120

tcaagatcat agttgtttgt ttttctgata atatcaaggc gaacaacctc taatatgcca 180

gctacaatca tggagattat ggagattaca aggccgatgc ctatgcgttg aagctgtgtg 240

aatccttgtt catggccaat gaactttctt gctaatggga caatcatgct atcatacact 300

ggggccctaa agatgacact aagggtgtct aacagggaga gggatgctgc tggaatttaa 360

attgttgacc aatgtgtggt ccatttgttg ctctgtgaca caacatg 407

<210> 5944
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5944

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tctattagaa aaaaaataaa atttaaatat ttattaaaga taaaaatata tttaaacctt 120

taaaatattc ttactaaaaa gaacacttgg ctagtaatac tcgagtaaca aagaaagtta 180

tgatatgggt atttagtaat tataactatc ttgtaaacat tacttaaatt ttntaataat 240

ttatatacag gactntaatt ttttttgtca aaataataac atttattttg aaaacatatt 300

catatgtata acatattata tggctggtga atataggata tacatttttt aaaaaaatat 360

gtataaacaa tgataatata ctccatttga anatacttgt aataaatata 410

<210> 5945
<211> 401
<212> DNA
<213> Glycine max

<400> 5945

agcttgtaat tgattacaca catactgtaa tctattacca gaggattttt tctgattaca 60

ttctcaacag tcacatcttt ttatctgatt cttaaatggc catcaaaggc ttatatatat 120

gtgacttgag acacgaattt tacaagattt tttaagaaca aaaaggtctt atcctcttaa 180

aaagcaaaat cgttttatcc tcttacaaat tccttggcca atacacttgt gattcaataa 240

ggaattattt gagtgctcaa attgttcaat ctatctctct caagagagat atcttcttct 300

cttcttcttt attctgaaaa gggattaata gaccgacggt ctgttgttgt gaaagaattc 360

tatacacaaa tgaatgattg tccttgtgtg tttataactt g 401

<210> 5946
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5946

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aatatccgca cgtngcattt cagtactaca gtacttcaag tcaagttgtt ttttgctcac 120

cttttcacga agaaagtgaa atctcgtctc tatgtgtttt gatcatctga gcgctactgg 180

attcatggtc catctgatat tgggtttgtt ggccacatac aatacaacta gcctctgaat 240

ttctatctcc aattcttcaa gtacagagtc tagccataag gcgtggtatg caacatagca 300

tgctgcaatg tactcagcct ctcaggaaga tatatgccac tacacgttgt tntctctgaa 360

caccaccttt gatatgaaac atgtcctcat caagcatgtt ggtgcaccta cgaacttgaa 420

gagata 426

<210> 5947
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5947

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aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180

aaagactgaa agaacttgtc tgagatgtcc taaatgatca tctagcctcc tactatacac 240

taaaatatca tcaaaataaa caactacaaa tctacctatg aaatcccttа agacatgatg 300

cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360

atacaaacca aacttggtct tgaaagcagt ttccactcat caccctttgt atcctgattg 420

gtgataacac tttaaatcaa tttt 444

<210> 5948
<211> 399
<212> DNA
<213> Glycine max

<400> 5948

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attaagtgtg attgagattg gtagtcatac aaaagtgttg gacaaatggc ctcaaatatc 120

ttaagaaggg ggggttcaat taagatatta caaactattt ccccaattaa aattctactt 180

tgatttcaat acaagttcca agttccctta tagatgaatt tctaaataat gattcacatt 240

aaacaatcta aatataaatg taaagcaata ataaataata gagtttaagg aaagagaaag 300

tgcatactca aatttatact ggttcggcca cacccttgtg cctacgttca gtccccaagc 360

aacccgcttg agagatttac tatcttgtaa aattcttta 399

<210> 5949
<211> 323
<212> DNA
<213> Glycine max

<400> 5949

agcttccatc ttaatatata taaattatca ttctgtaaat catcccgaat gggtaagtcc 60

tcatcagaca catgttcgat ccgactcaaa tgatcagcaa ctaaatttta tgctctgctc 120

ctatcacgga tctccaagtc aaattcttgg agccaaagca tccatcagat caacctatgc 180

tttgaatcag ccttctgcaa caagtacttt aaagctgcat gatcagtata aacaataatg 240

cgagtaccaa gcaaataaga atgaaatttt tcaagagcaa aaactatggc tagtagctct 300

ttcttagtag tagtataatt cgc 323

<210> 5950
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5950

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ctttntttac ttaattactt tttacctata taattagatt agattatgtt tttcggtaag 120

atatttcaac taatttttaa attgttttta ctagctgaac aacttaagta atttttttaa 180

tgaattttag tatttttttt aaatattagt tgaattagta ttttaaaaat attaatttct 240

aaattttttt ttcttttctt tttgttcttg atatttttat caaattttct aattattatt 300

tntaaataaa ttataattgt attgttttta tattatttta cactctttaa ttattctaac 360

cactaattgt atcaaatatt tattaattat ttagatttgt agcatcatgt tactgactgt 420

tagt 424

<210> 5951
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5951

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tgactccaaa taatgatgga gaattgatac gactgagcat cccacagttg acatctgata 180

ggaggaaggt attctccagt tccattgatg ctgcagtgtc taagtttatt ttttctctgt 240

caattacatt cttgttctca ttgactgaaa gtaatattct taattggttt tcatttctta 300

tttaactatt aacaaaatcg catagaatca cctcttctac agtcatgacc catgagaaaa 360

ctgatctcta cagtgactta atatgttgtt tgccatgatt ccaatagtat tagttatcaa 420

tttatcttgt ctatga 436

<210> 5952
<211> 278

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5952

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gtctcaaaag ccactagtgc actatcagta ataagtctac caggaacgag tacactttga 120

tttatactca ctatagaagg aagaattacc ttgagtctgt ttgcaattgt tttggcgatg 180

agctcgaaga taacattgca taggctgatc ggtctaaata ggcttgagtg agtaggcttc 240

tttaccttag ggactagtgc aatgaatgtc ttattcaa 278

<210> 5953
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5953

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atcaccgggt tgagtcttct ctgtggttgt cttactggtt tagctccatc ctctaaattt 120

attcgatgca tacatgtgga tgggctaata ccaggaatgt ccgccagggt ccagcctata 180

gccttcttat gcttcttgag aactgacaac aacttctcct cttgctcatc agcaagggag 240

gcagatataa tcactggaaa actcttgata tcatccaagt aagcgtattt taaatttgat 300

ggcagaggct tcaattctgg tgtggtcggc tggatagcgg tagaaggaga tggtttctca 360

gcctttacct cataaagaaa gtcagaggta tgtgtacttc ctgaaacatg gntagtccta 420

tctgactcta taaaatcaat ctcaagagga aaacaccacc accaggcatg catg 474

<210> 5954
<211> 442
<212> DNA
<213> Glycine max

<400> 5954

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cctctatcat atctaataat tttcacattt ctttctaatt gtctttttac ttcattcttg 120

taaatttcta agacattcat tgcttgagaa atctcaggca gtaagtagac ataaccataa 180

tgtgaataat tatcaataat ggtgataaaa tatcattcct ttccgaaaga aataacatca 240

aaaggtccac aaatatagta tgcacaattt caagaagctg agtgcttctt gtagctcttt 300

tctttgtatg ttttgcttgt ttttcccttа atacaaccca cacaaatatt tagatccata 360

aaatctagat aaggaagaat ttcattcttt attaatcttt ccatcctttc tctagaaatg 420

tgacctaaac gtttatgcca ca 442

<210> 5955
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5955

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ttaaaactcc attggtttag ctttcatttc actttttttg tctttggtta ttgcttgtct 120

ctttgtttcc ttgtttgtga gttgccatat agggaattag aaaggaggat tggtggcatc 180

ccttgaagaa ttagagtcaa aaagcaaggg gccaaccacc ttaagagcta ttcgactaag 240

aagcactcca aattgagaac ctttttgtaa ttntgcaatt gacaatttac ttactttcat 300

tgctttcaaa ttatgtaaca aaaaggtctt tcattggatg taagttaaga gcctccaata 360

ggtcacccta cttccatttg tgtgtagtaa ttntaggtaa ttttccctta cgatatgagt 420

gtttat 426

<210> 5956
<211> 350
<212> DNA
<213> Glycine max

<400> 5956

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cacgacagaa caattatgac ctttccagca acagatacaa ccctggatgg aggaatcacc 120

ctaacctgag atgagacaac cctcaccaac aacagcagcc tgctccttcc ttccaaatgc 180

tgctggccca agcagaccat acattccttc accaatccta caacagcatc aaccccagat 240

acaaccaaca tgtgatgccc ctccacaacc ttccctcaaa gaacttgtga ggcaaatgac 300

tatgctgaac atgcacgctc agcaagagac cagagcctcc attcacagct 350

<210> 5957
<211> 453
<212> DNA
<213> Glycine max

<400> 5957

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gaaaacttca tagctctaat ggggtgtgct tcaatttctg tctcatttgt tatagtagca 120

ttcttggtga tgaaatggtc caaaccagcc aaggcaactg tgtttccaca aggaacatcc 180

tcaactgttt catatttctt ccccatccaa attgaagtcc cctgaacact cttcacatac 240

aggtctttct tctccccagg aacaaaattt ggccccataa ttctagcctt catattagtt 300

gacaccttcc cagagaagac tcggccaaaa gcataaaacc ttcccttatc agatgtagga 360

atcatctttg acacataaag cattaggggc ccttcagggt cacaatttct gatagcagaa 420

gcgtaagggt catcaagggg accctcatac aaa 453

<210> 5958
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5958

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gtgaagttgc taaatacaag gcatgattag tggccaaagg gttactgcag aaatatgttt 120

tggattacca tgaagtcttt gttctagttg caagaattga actaattaga cttatggttg 180

caattgctag ctaacggggt tggtcattgt atcaattaga tgtgaaatta tcattcttaa 240

atgggccctt agaaaaagtc tatgtaagtc agccacttgg atttgaagtg aaggttcaag 300

aggacaaaat gtacaagcta aggaaggctt tatatggctt gaaataaaca cctcanatcc 360

ggaacaagag aatagatagc ttccttatgc aacaaaattt gtgagatgca cttctgaaca 420

tggtgtttgt tacaaactca acaa 444

<210> 5959
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5959

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gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240

caacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300

tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga gatgaagagc caatgtgatg 360

tgaatcttac ggngcgcgga tcgctngaac aggctgtata gtttttggat gacgccact 419

<210> 5960
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5960

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atcaagtttc aagaatccag attcaagaat aatcaagatc aagattcaag actcaagatt 120

caagaatcaa gagaagactc aatcaagata agtactaaaa aagtttttca aaacattgag 180

tagcacaaga atttttttata aaatctttta ccaaagagtt ttactctctg gtaatcgatt 240

accagaaggt agtaatcgat taccagtagc caacattgtt ttcaaaactg atttacaaag 300

ctgtaatcaa ttaccataat cttgtaattg attaagaatg ttttaaaatg ttagatttca 360

aatttcaaga gtcacaacta gtgataaaac atntttcaaa taatttaaac ttgtgtnatc 420

gattacacaa tacttgtaat cgattac 447

<210> 5961
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5961

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tcataggact tggtggtctg tggatgacca tatggagact atagtattct tggacgatcg 120

gcattgagtc ttacacaaag agtgctgaca accatgtcgg tctgtatgat gtatctgcat 180

tgaagctcgg aggccatgga tcttcttcat caatggagac cattgcttct tgaacattaa 240

tggcagagga atggagaaga agaagaggtt agaggagacg cctcttcatg aagaacatga 300

gtctatatga accgtcccac cataagatgc catggataag agcttgaagg ttggagatga 360

tgagtggagg gagatggaga gacggggcac tanatattgt gcctcacatg atgtctcatc 420

tttgaagtgt gattctcaca tga 443

<210> 5962
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5962

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agcttagcta cacacacccc tctaataact aagctcacct cattgagaag cttccttgaa 120

aagattccta aagaagctag agcttagcta cacacacctc tctaatagct aagctcacct 180

ccttgagatg agaagctata acttagctac acactcctta taatagctaa gctcacccca 240

tgacaaaata catgaaaata caaaaaaagt ccatactaca aagactactc aaaatgcctt 300

gaaatacaag gctaaaaccc tataatacta gaatggccaa aatacaaggc ctaaacgaag 360

gaaaaaacct attctaatat ttacaaatat aagcgggctc atacttagcc catgggctca 420

aaatctgccc taaggctcat ga 442

<210> 5963
<211> 431
<212> DNA
<213> Glycine max

<400> 5963

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taaatatatc tttgatatgg tatcagagct cttctgatga agagctctgc tgcgcactca 120

cctccttttt catacttctc tcaactttaa tcattcatca tgaatgaaac aacactcagc 180

aacatggaaa gctacttgta cctacatccg agtgagaatc caaccattgc tctcgtctct 240

ctagtcttgg attcaaccaa ctaccattca tggagcaggt ccatgatcac tgcattgagc 300

gccaagaaca aagtggaatt tgtagatgga agcgtgcctg aaccattgaa aactgacaga 360

acgtatggag catgcgccga tgtaacaaca tggtagtctc ctggatcatt cactcaatag 420

ctacctctat c 431

<210> 5964
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5964

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tgagaaacac tagggccatt tgaggtcaac ttaactggct tccacctcac ctcccatcag 120

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acaatgggtc tccctgacga agccctctca caggaataaa actatttttt gttctacctc 240

cattccacat gatagaaata gaagtagatg acagagcatg tagaatcaaa gacataatgt 300

tattaggaaa ataaaaaaaa taaaaaagag tttcccacca aaaaaatcct agtccacacg 360

atcatatgcc ttctccggat ccaatttaaa aataaaatcc ctttcttcct tttagatnta 420

tgcataaaat gaactaactc ttgaagaat 449

<210> 5965
<211> 423
<212> DNA
<213> Glycine max

<400> 5965

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ttgttcaatt tcgatcctct cgacatatta tgcacccgaa tcggacatct gtgtgaaaag 120

tcatgatcat ttgaatttct cgagagcttc cgatgtttaa tttcgagcgt atcgatatat 180

tataaccctg aatcggacct cagtgtgaaa agttatgacc atttgaattt gacgagagct 240

tccgttgttc aatttcgaat atcactgtat gtgatgcgcc taaattggac attcgagtta 300

aatgttatga ccatttgaat ttctcaagag cttccgttgt tcaattctga gcgtctcgat 360

atgtgatttg cctgaatcgg acatccgtgt gaaaagttat gaccatctga atttctcaag 420

agc 423

<210> 5966
<211> 452
<212> DNA
<213> Glycine max

<400> 5966

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gtcattggac ttgatggtct ctggatgacg atatggagac taaagtagtc ttggtcgata 120

ggcattgagt cttcgacaaa gagtgcagac gaccatgttg gtctctatga tgtagctcca 180

ttggagcttg taggccatgg atcttcttca tcaatggagt ccattgcttc ttgaatttta 240

atggcagtgg aatggagaac aagaagagtt gagaggagac gcctcttcat gaagaagatg 300

agtctagaag aacctcacca ccatacgaag ccatggatta tagcttgaag gtacgagata 360

attagtggat ggagatggag agaatgggca cgaatatttg tgcctcatat gatgtctaaa 420

ctttgaagtg taattctcaa atgatcaaag tt 452

<210> 5967
<211> 439
<212> DNA
<213> Glycine max

<400> 5967

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gattcaagag gccccatgag tttagcacaa caacatttaa gtatgaaaat gtgactgcta 120

ttcctgcagc catagactgg aggacaaaag gagctgttac tccaatcaaa gaccaaggtc 180

aatgtggtaa gataaagaac atcatataat aagtacttta ttatgttcca taaccatcat 240

tatttccttc atctcatttc aattatttcc ttcatctcat tttatgtgac acatttaaaa 300

tattcctgct tcaatttttt ttatcacttt aaaatataaa aaaaatacta attacttttt 360

ttttttccaa taacatcctg actactgcat tgattagtcc ttctatttct actactgcaa 420

tacatttttg gaaataata 439

<210> 5968
<211> 452
<212> DNA
<213> Glycine max

<400> 5968

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ttcctgattg cacaaagtaa tttcctcaaa ttcaatgatg gcaacatcta caacacaatc 120

agggaaatcg aaggtgctta cattgacttc atggatcgca tcagtggtga cgaaaacttg 180

ggcactgggg tcattcaaca cttcaaccat tgagaagcta tgaagcacgg acacttcagc 240

cctttgtcgt gttcggtgtc cgacacgcgt ccgtgtcagt gtccgacacg cgtccgtgtc 300

agcgtccgac accgacacaa cacccgtatt acgttctata ttttggacat tacaggtgtc 360

cacgtgtccg tatccgtgtc gtgtccggtg tccgtgtcgg tgtctgtgct tcatagttga 420

gaagaaaaac tccaaaggaa ggcacatatg ca 452

<210> 5969
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5969

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gttgccagtc atgaatagag tcttgtcatt taatgttttg tccatttcgc tcttcagcca 120

taacccgttt tgtaatttac tgctgtagaa tctatgctac agatggggag caagattgac 180

accatcacaa gcggctgaaa aagtaaaaca cttcttcaag gattattcta tcaatcgaca 240

caaaatgact gtcttgacgc cttcctacca tgctgaggta tgtatgtgaa gacagagttg 300

aatccttctg gataactcct tgattgggct tattatattc tttgttggct aatgaaagtt 360

aatctttcga tcatcctgca aagttattca ccacaggata atatgtttga tcttctccag 420

cttctctata atgcaag 437

<210> 5970
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5970

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ttcaactaga taagacattt tattaagctt tcaattcttc tattttcact tcctatcaat 120

gtactcaacc aatcagaaac caactttggt gtaaagtcaa caaacattga atgacggtgt 180

aaaaaatctt tataccgtca atgtatatat attatttatt ccttttttt taatgttcta 240

ccctttaaag ttggtgagta gcgatcaagt tagaaaataa tgcatcaata acttgaagtg 300

gtaagagagc tataccttcc ctagtaaatt gtggtgccaa ggaaaatttg cgacaggaag 360

gcagacaatg cangttgaag tggattgtaa agggcaacca aagctggccc caagatctta 420

ttgctccatg t 431

<210> 5971
<211> 351
<212> DNA
<213> Glycine max

<400> 5971

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ctccgccgca accggcttgt ttggagtgtg tgatgcactt gagaaccata tttttgctcc 120

tgtgccatcc ttgatactaa gaatgccttg atcagtgtct acttctaaga ctccagagtg 180

gtctttaagt ggtttttctt tgttggctac ccaaacaact gttcttggaa atatatttgc 240

gtaccaaatt ccgatgtaac ggctgtcgaa gtttgctggg ctgaagaatc ctgcttcaaa 300

ggctccattt gttgaaacca gagtttcatt ctcattctta ccatctctga t 351

<210> 5972
<211> 416
<212> DNA
<213> Glycine max

<400> 5972

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agatatcgag acgctcaaaa tttagatccg aagctctgag aaaattgaat tgacaataac 120

tttatacacg gatgtccggt tgagtcctgt aatatatcga gacgctgcaa attgaaaacg 180

gaagctcgta ggaaattcaa acgacaataa ctttttactc ggatgtccga ttgaatcggg 240

taatatatcg agacgatcaa aattgagact agaagctttg agcaaattga aatgacaata 300

actttataca cggatgtccg gttgagtccc gtaatatatc gagacgctca aaatttagat 360

ccgaagctct gagaaaattg aattgacaat aactttatac acggatgtgc aactga 416

<210> 5973
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5973

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gctgccattc attgatggtt gtcaacttga ttgtacagct gtatgactgt gatacagaca 180

ttaatgatgg gttctgctaa ttttatttca gtctgtgatt aagaagaaat atggtcaaga 240

tgcactaaat gttggtgacg aaggtggctt tgcccctaac atccaggtca atattttaat 300

tcatttcttt ttatgcatgg aactccggta cctgctcatc tttttggcct gtaactgata 360

atctctattg agtgttcatg aaaacaaaga aggtttggaa ttgctgaaaa ctgccattgc 420

caaagctggt tacacaagca aagatagtat tttccctcgt caaaatt 467

<210> 5974
<211> 447
<212> DNA
<213> Glycine max

<400> 5974

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gatagaagac tgcaagaaga ttgggaaaaa gatgcaagag aaggccctag ggttctcatg 120

agccttaggg tagatttcgg gcccatgggc taagtataag cccacttatc tttgaacata 180

ttagattaag gtttcattaa ttttggtcct tgtatttagg gctccataat gtaggtaggg 240

taccctagaa atataggatt tttcagccct tgtattttag ggcacctaga ctagtttttg 300

tattaggggt agttttgtaa tttcacatgc agtaagtgaa tatttgatgt gtggtggtgg 360

aaataaattt aattgagtat ttgcttacca caccccattg ccacatcata tactcacact 420

ttgtgcatgt ccttcatgct ttacatg 447

<210> 5975
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5975

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gttgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtatccac 180

atctctgcta gattttgacg agtattcaag ccatccttcg tcttgcccta aatgttaagg 240

agcgtcccaa tcacactgtc acatacattt ttctcgacat gcataacatc aatacaatgt 300

ctaacatcta gatcagacca ctacggtaga tcaaagaaag ttgacctgtt cttccatatg 360

cagagctgac tgttatcctt ctttngggtc tttccaaata cagtattcag gtgttgaacc 420

cgctggtata cctgctcact agtcaac 447

<210> 5976
<211> 435
<212> DNA
<213> Glycine max

<400> 5976

agcttatgct gcaaacatct atcaatagac ctcctcaaac tcagcagcaa aatccaccac 60

cagaacaatt atgacctctc cagcaataga tacaatcccg ggtggaggaa tatgatggaa 120

gcttgcttgt ggggcttcta tggaggctgg atctttgagc ttcaatgagg tcctttaatg 180

gtgattttcc accatggaga tgcagtggaa gacaaaggag aagaggtgag aggaggcgcc 240

atccactatg gaataagcca tggaagaagg agcttcacca ccgagatgag ccttggataa 300

gaagcttgga gaggatgctt caatggagga aaagaagaag ggagggaaag agagaggggg 360

gagcacgata ttgaaggaag aaaaaaggga gagaagttga actttgagtt gtgtctcaca 420

agactctcat tcatc 435

<210> 5977

<211> 441
<212> DNA
<213> Glycine max

<400> 5977

agcttaaaga aggaatttga aatgacagac ttgggaatcc tatcatattt tttgggatta 60

aagtttgctt atactgaaaa gggaatcttt atgcaccaga agaagtacat ttcagaggta 120

ctaaagaagt ttaatacaat ggagtgtaat cctacagaaa ctccagctga attaaatgtg 180

aagcttgtaa gaagtgagaa tgaggcttca gttgatggga ccttgtttag gcagattgtt 240

ggtagcctga ggtttatctg tcatagtaga ctagaaattg ccttcaatgt tggacttgtg 300

aatgacccta gagaaccaca tttgttagct gctaatagaa tcttgagata tctaaaggga 360

actctgggat atggaatcat ttttccccat caaatcaaga aggatgggag tctacacctt 420

gaagcctatt ttgattctga t 441

<210> 5978
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5978

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caatcttcat cagctaggaa cactaccaca tcgctccttc catgcactct cacgcaaata 120

tggccctctc atgttgctgc aattgggcca aattccaacc ctagtggtct catcagctga 180

agtggcaaga gaaataatca aaaaacatga tattgccttt tccaaccgcc cacaatctac 240

agctgctaaa atattacttt gtggatgatg caatgatata aaaaacaaaa atattgaaca 300

tgttgaaaac cataagtaat acactcagat caaacaggga agagaaaaaa aataattttc 360

acaggtatct ttctcttatt atttccacta gctcanattt gattggtgtg ttttatgtaa 420

aggga 425

<210> 5979
<211> 334
<212> DNA
<213> Glycine max

<400> 5979

agcttcttct gtggaggttg ttcatccttc aatggaagtt tgatttcaaa tcccttcggc 60

aagaaaacat taaatccaaa aattagatct ctatgccctt taagcagctc cttcacttct 120

tctatgccac taacaaggtt gaatctgcag atgaacagta taattctttc acataccatc 180

tcgcaagaaa tggcaactat aaagtataac tatatgacta catcatgatg aaacctatca 240

gcagtgaaat ttttcatgag ttccaaaaat ttatcaaatt tttctctatc atctttaaat 300

gcatccttga ctgtggagag atatgctaag gcac 334

<210> 5980
<211> 341
<212> DNA
<213> Glycine max

<400> 5980

gcatgcaagc ttggaacata taaaccgaat tctagttctc tcttaagact tagtcaaaat 60

gtctgctggt tgatcattag aattgatgaa ctcagtggta atctccttgg acaatgattt 120

ttctcaaatg aagtgacaat caatctctat gtgcttggtc ctctcatgaa agactggatt 180

ggacgcaatg tggagggcta cctgattgtc acaaaataac tttattcgtg caacttcaca 240

aaacttcaat tcttgaagaa ggtgcttaat ccatataagt tcacatgtga ccaaagccat 300

agatcggtac ttagcctctg cgctggatcg agcaacaaca t 341

<210> 5981
<211> 269
<212> DNA
<213> Glycine max

<400> 5981

tgcttctccc ccaatattct atttattctg ggagaagtga cgtacacaag ggcatagcct 60

tcttgtcagt caaacctcta tccaaattcg aagcgacaca taattccagc aagaaacttc 120

aagcgtaaag cctgtcgtgc cgattgcgtg aactaactca caataattgc ctaccgctct 180

tgacagttat cgatcggtca aacctgtcct gccacctgaa cggatgaatc cgtcaacgcg 240

aagcttttac ttcattctat gtactcgtg 269

<210> 5982
<211> 280

<212> DNA
<213> Glycine max

<400> 5982

agcttccatt gttcaattac gtgtcgtttc gatatattag gccccggaat cggtccttcg 60

agttaaaagt tatgaccatt tgaattagac gagagctttc gttgttcaat ttccagcgaa 120

tcggtatatt aatgcgcctg aatcggacct ccaaaagtaa aattttgtcc ccctcttttg 180

atgaagagct atcatcgtac catgaatagg cgttatttca cttttacacc tataggggac 240

attcgaggta aaacccctcc ctatggtgaa tttcttaaga 280

<210> 5983
<211> 326
<212> DNA
<213> Glycine max

<400> 5983

agcttgaaga gagactcaca agtggtttca actggaatat gaacctcgct atgtagttca 60

tacatcctaa gaagcctcag acctgctttt cggcgtgtgg ctcatgcatt tcgaggatgg 120

ccttcacctt gtctcaggcc acctttaccg atttttggct tatgataaaa ctgaacaact 180

ttaccaactt gacgccaaaa gtgcactttg cgggattcaa ccttaatcga tacttacaca 240

gtctctccaa caacttctgt aagtagataa ggagtacctt cttggttttg gacttggcaa 300

tcatatcatc cacgtagacc tcaatt 326

<210> 5984
<211> 340
<212> DNA
<213> Glycine max

<400> 5984

ctgcacgcat gcaagcttga atagagactc acacgtggtt atcaactgga atatgaacct 60

cgcaatgtag ttcacacatg ctgagaagcc tcaaacctgc ttttcggtgt gtggctccat 120

gcatatcgag gatggacttc accttgtctc agtcaacctc taccccttta tggcttatga 180

tgaaactgaa catcttttac caacttgacg ccgcaaagag cacttcgcgg gatgcaacct 240

taatctgtac atacacaaac tgtcgaacaa ctgacgtaag ttgattacgt gtgcctccat 300

gattctggac gtcgcaatca tgtcacccac ctggacccca 340

<210> 5985
<211> 331
<212> DNA
<213> Glycine max

<400> 5985

agcttttgaa aaggagttta attaaaatat taataatata aagatatgta aatcatcatt 60

taattataaa ttattatgcg taataatata tttttattgt tatttaaaag tcacatacaa 120

aatatgcttc aattaattat tagtataata attcttaaac tacaacatat taaaattaaa 180

ctctcttcaa aatatttgtt attgatagta catatttttt atccattaaa atcaaagtag 240

tataaaaaaa ataataatat aataattcat ccatgttcaa ttaattaagt tacacatttc 300

ttgataatta acgatacata taatacacac t 331

<210> 5986
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5986

gtgagacgca atgtatctcc atggggagca ccagtgttgt tagtaaagaa gaaagattgg 60

accatgaggt tgtgtgtaga ctatcgccag ttgaataagg tgacgattaa gaatacgtac 120

cctttgccta atagacgacc ttatggacca gttggtagaa gcttgtgtgt ttatcaagat 180

ataccttagg tcaggttacc atcagattcg agtgaagtct gacgatattc cgaagactac 240

ttttacgacc cgttatggtc actacgagta tctagtcatg ccctttggtg tgactaatgc 300

tccaggtgtg tttatggact acatgaataa agtctttcac ccttactttg atnagtttgt 360

ggtagtattc atagatgata tnttggtata ttcacagact agagaggaac atga 414

<210> 5987
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5987

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gagtatggag gattgccttg agggtccgca cttatgcaat catgaaactc agctccaaac 120

tcgaaagtgg aggacacatg aacagtccta agcaataaca ttcatgtggc tctggaaaag 180

gatgagaatg gaggattgcc ttgagagtcc tctcttaggc aatcatgaaa cacagctcca 240

aactcaaaag tggaggacac atgaacagcc ctaagcaata acattcacgt ggctccggaa 300

aaggacgaga atggaggatt gccttgaggg tcctctctta tgcaatcatg gaacacagct 360

ccagactcga aaatggagga cacatgaaca gccctanaca agaacattca tgt 413

<210> 5988
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5988

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cgattatggt ataatcctat cagtaccttt atatgattgg tttttcctac agagcttttt 120

tgaattatca attgccaaga tgaaatatga caaggtaatc tcttgcactg aataaacgtt 180

tcagagggag gagacaattt cagtgttgga cagaggcaac tgctaagtct agctagagca 240

ttgctacgaa gatcaaaggt tcttggcctg gatgaagcta ctgctgctgt agaagttaga 300

actgatgccc ttatacagaa aactatcaga caagaattca gtcctgcaca atgctcatca 360

ttgcacacag actanataca atcattgatc tgcatcggat tcagctgctc aatgc 415

<210> 5989
<211> 411
<212> DNA
<213> Glycine max

<400> 5989

atacgagaat gaagctctga taccatgtgt tagacaagtg gcctcagata tcttaagaag 60

gggggtggaa ttaagatatt gcaaactatt tccccaatta aaaattctat ttcaatttca 120

atgcaagttg caagttacct taaaaattaa cttttaaata atgattcaaa tagaacaatc 180

tgaatataaa tataaatcaa taataaataa acgagtttaa gggaagagaa agtacaaact 240

cagatttata ctggttcggt cacacccttg tgcctacgtc cagtccccaa gcaactcgct 300

tgagagttcc actatcttgt aaaatccttt tacaagttct gaacacacaa ggacaatcct 360

tcctttgtgt ttagatttct ttacaacaag agatactcgg tctctcaatc c 411

<210> 5990
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5990

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cgagagcttc cattgttcaa tttcaagctt ctcgatatat tatgcgcctg aatcggattt 120

acatttgaaa agttatgacc atttgaattt ctcgagagct tccgttgttc catttcgagc 180

atctccatat attatgcgcc tgaatcggac tttcgtgtga aaagttatga ccaattgaat 240

ttctcgagag ctttcgttgc tcaatttcga gagtctcgat atattatgcg cctgaatcgc 300

tgttccgtgt ganaagttat gaccatttga atttctcgag agcttccgtt ggtcaatttc 360

gagcgtctcg gtatattatg cgcctgaatc ggacctccgt gtgataagtt atgaccatnt 420

gaatttctcg agagct 436

<210> 5991
<211> 309
<212> DNA
<213> Glycine max

<400> 5991

aaattaaaca atggaagcac tcgagatatt caaatggtca taacttatta catggaagtc 60

cgattcaaat tcataatata tcgagaagct tgaaattgaa caacggaagc tctcgagaaa 120

ttcaaatggt cataacttat cacacggatg tccgattccg gaggatagta tatcagaagc 180

tcggaatata tcaacaatag ctctcgagaa attcaaatgg tcataactta tcacacggaa 240

gtccgatgta ggtgcataat atatcgagaa gcatcaaatt gaacaatcga agcctctcag 300

aaattcaaa 309

<210> 5992
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5992

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gctgaggagg aggcttacca cctctcccat tatgcaacca ctagattggg agcttccatt 120

taagctcatg tgtgatgcct ccaattatgc acttagggtt gttntgtcac agagagttga 180

taaattaaca catgtcattg cttacgcctc acacactcta gatgcagccc aagtcaatta 240

caccactact gaaaatgagc ttttacatat tgcttttgca ttatataaat ttagatctta 300

tttgctctgc tcccatatta ctgtctatgt gacaccctct acctcgacat acatataaat 360

aagacaaaca ttaatgtatt catttagact ttcagagacc aacataatca tttaattttt 420

ttacatcacc attaaa 436

<210> 5993
<211> 328
<212> DNA
<213> Glycine max

<400> 5993

ttcctaattt ctctacaatt gcatcatctc tcaatgagct ggttatgaag aatgtggcat 60

ttacctgcga tgaaaaacaa gagcaagcct ctgtttgatc ttctcgaagg cctcttggca 120

gccactgttc cacacgaccg cctagttctt acgtaatagc ttaaaaatgg gttcacatgt 180

acgggtgagt tgcgagataa atctcgcgat ataattcaac ctgcccaaaa atccccgaac 240

ctgcttctcc gtgcgtggtt ctggcatttc aaggatggcc ttcactttct cgggatctat 300

ctctatccct ttctgactta cgataaat 328

<210> 5994
<211> 245
<212> DNA
<213> Glycine max

<400> 5994

gaaacacgaa acactgtttc actggcctcc acagtgacaa accctagttc aataaaaagt 60

gaaattggaa aacattgaaa atcagaaact cacgttccgc cgacgcctcc ggtggtttcg 120

gaggagatag tggagaaagg aagctcgcag atggcgacgg aagcgccgta gttggcagcg 180

aagcgagcgg ctcggacgcc gccgctgccg gcgccgatgg tgaagaggtc gaagtcgtag 240

tgtgc 245

<210> 5995
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5995

tactgcctca tgaagttcat caattagttc atcaacagtg ggaataagaa agctatcttt 60

gattgtgatg gcattcaaag ccctgtaatt tgtgccaaat ctccaagngc catccttctt 120

cttgacaaga atgattggag gtgaaanagg gcttctgcta ngggcaataa tcccttcctt 180

gagcatgtca actatcatta attacttcaa tctgatcctt ccggctgtga ggatacctat 240

atggcttgac tnttactggt ccagcacctt caaccaatgg gattgaatga ttgtgagttc 300

tgctaggggg tagtcctgat ggcacatcaa agactgttct atcagtgtaa agtatcatgg 360

ccagttctgg ttccatatca accggtatat ctaataactg gt 402

<210> 5996
<211> 457
<212> DNA
<213> Glycine max

<400> 5996

ctgccgcatg caagcttgaa ggacatgcac aaagtgtgac tatatgatgt ggcaatgggg 60

tgtatctagc aaatgctcac ctccccctct aaaatttatt tggattgggc ttctcccaat 120

tcaattaaat ttatttccca acacacacat caaatattca cttaatgcat gtgaaattac 180

aaaactaccc ctaatacaaa aacttgtcta ggtgccctaa aatacaaggg ctgaaaaatc 240

ctacatttct agggtaccct acgtacatta tggagcccta aatacaaggc caaaaaataa 300

tgaaacctta atctaatatg tacaaagata agtgggctca tacttagccc atgggcctga 360

aatctaccct aaggtttgtg agaaccctat ggccttctct tgcatctctg gcccaatgtt 420

cttggagtct tctatccaat gcccttgggg agtagga 457

<210> 5997
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5997

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aggatgcctt caaggagaga tcatntgctt ctcttttcct cccacaccat ctcatttcgt 120

gtatatatgt taataataat aaattggtat gttaatccat tatggtgaat atatgtattg 180

taatatttgt aggaagttat acaaaacaaa ttgtcacatg tggataaatc tcaagtatga 240

atatgctaag actttgacta tttaaatatg ttactatatt catanttatt tttgtttatt 300

ggataatnaa ttatgataaa tcattattat gttataataa taataatatt gataaaaaaa 360

tttatgatca ttatntctca ttaattacat gaagtatata ttatgaagat agtaatgat 419

<210> 5998
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5998

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taagaactag ctcttttctt cctctattgc ctttagttga atacacctnt tgttggntct 120

ctatttggtt cttaaccctc tcatgcaact tctttacaaa ctctgaccta gattcccctt 180

ctntatgtat aaaagaagtg tccagtggga agggaatgag gtctaacggt gttaggggat 240

tgaacccata gacaacctca aaaggggatt gcttggtggt tctatgaacc cccctgttgt 300

aggcaaattc tacatgagga agatactcat cccaagactt tatcactacc tct 353

<210> 5999
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5999

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ataggttgga cctcctagaa gagtatagag tcaacaccac ttttaacatt tctgatttaa 120

ttcctttcgc aggtggagtt gatattgagg aggaggaact aacagatttg aggtcaaatc 180

ctcttcaagg ggaaggggat gatgcaatcc tccctaggaa gggaccagtc actagagcca 240

tgagcaagag actccaagag gattgtgcta gagctgctga agaaggccct atggttctca 300

tgaacctcag ggtagatttc tgagcccata gaccaaggtt gggtccaatt gtctttgtac 360

atattagact aggatgtcat tatatntgat ccttgtatct agggctccat aatgtatgta 420

gggtaccct 429

<210> 6000
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6000

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caagaatagc ttaagcaaca tcattaaagg gtagacaagt gacattatta tttattgtta 120

tgttgataat gaagttatca tataaatctg gtagactcta aagtagaagc tctacccgtt 180

tgtttttcttc tatgttaaaa tttgatgacg gaaattggga aaataaagta ttcaggtttt 240

catgtggtat gtcacccaaa tggactcact cgttcgaaga gtgcagagtt tcctcttcaa 300

aaatattcta gtctgaagtg actngatctc atacaatttg tggaaagtat cccaaatatc 360

cttcacgttt tccattg 377

<210> 6001
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6001

tgcaagctat aggtttgatg gccccaatga cgtctattcc tcacatggaa aaaggcttag 60

gggcggacat aacattcaga ggatgtggca gaacattgac attgtccgcg tacgcttgac 120

atttatgaca tttccttaca tgggtgcagc aatcgctttt catagtgagc cagtaataac 180

cggccctaag gatcttcctg gccatagcat gcccattggc atatgtccca aataaacact 240

cgtggatttc cttaatcatg tagttcgcct ctttggcatc tacgcatcgt aaaagggtca 300

tgtcatggtt ttgtttgtac tggatagtac cactcacaaa gaaaccagta gccaatctcc 360

ttaacgttct tttgtcattg tcggaaatcc ctggtggata ttctttgttc tcaacatatt 420

gttngatgtc gaagtaccat gg 442

<210> 6002
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6002

acaaaaaagc atgtagatat atcagtgaac tgagccagac caaggaaaaa tacatcaaag 60

aaaataaata atctagtata gctaatttta taatcagata aagcatctga gacctgctgc 120

catgtggtat caacaggaag ctgccgccga gcatcgccag catcaaaatc cagtacacca 180

taatccctca accgaatcta cacagcaata actaaaatca gaagtctntt tgaggattaa 240

atgcatggca ttatctataa gacacatttn tctaaatgag acaaacccga aggaagcacg 300

gattctttgc aattccaaca ccccaccaag agcagctacc attagataaa aagcagcaga 360

aataagtgtg ataacaatac aaatcatg 388

<210> 6003
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6003

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tctgtacctg tcgcaagggg ttgtggtttg tgctcctctg ctgaccacca tacagacctt 120

tgcccttcca tgcagcaacc tggagcaatt gagcaacctg aagcttatgc tgcaaatatt 180

tataatagac ctcctcaacc tcagcagaaa aatcaaccac agcagagcaa ttatgacctt 240

tccagcaaca gatacaaccc tggatggagg aatcacccta acctcagatg gtccagccct 300

cagcaacaac aacagcagcc tgctcttcct ttcaaaatgc tgctggccca agcagaccat 360

acattcctnc accaatccaa caacagcaac aacccca 397

<210> 6004

<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6004

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ggtagttccg aagaaaatcg gcctcatcgt gatcaaaaat gagaaggagg agttgattcc 120

tactcgggtg cagaacagtt ggagagtctg catcgactat aggaggctga accaggttac 180

caaaaaggac cattttccct tgccattcat tgactagatg cttgaacgcc tggcaggtaa 240

atctcactac tgtttccttg atggtttttc tggttatatg caaatcacta ttgctcctga 300

ggatcaggaa aagaccacat tcacctgccc cttcggcact tttgcctata ggaggaatgc 360

cttcggcctg tgcaatgccc ctggtacctt ccagcggtgc atgatcnagt attttagtga 420

tt 422

<210> 6005
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6005

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agaagaatgt ggcatttacc tgcggtgaaa aacaagacaa gcctttgctt tgctcacaga 120

aaagcttact aaggcacctg ttctagctct tcttgacttt tctaaaactt ttgagctaga 180

atgtgatgcc tctggagtgg gagttggagc tgtattgtta caaggtaggc accctattgc 240

ttattttagt gaaaaacttc atagtgccac cctcaactac cccacctatg ataaagagct 300

ntatgcctta atatgagccc tccatacttg ggaacattta ccttgttcca aggagatttt 360

cattcatagt aatcatcaat cacttaagta cattagaagg gaaaagcaag ta 412

<210> 6006
<211> 404
<212> DNA
<213> Glycine max

<400> 6006

gtgcagaact ggaagctcca attcatggaa agttaattca ttcctacgcg agcaagaccc 60

ctgcctcgtc taatgtattt gtaaacagtg ctttaatata tatgtattca aaatgtggat 120

atgttgctga tgcttttcaa gtttttgaca acatgccgga gaggaatgtg gtttcttggg 180

aatccatgat attggcttat gcaaggaatg ggcatgctag agaggctctg aagctcatgc 240

atagaatgca agctgaaggt tttgtggtgg atgattatat ccatacaaca gttattagtg 300

catgtggagg cgttgagcat ggagacattc atcaggatag tgagtattct tcacattact 360

tgcattccta gtaatcttct acaagatagg agcatcaatg aaca 404

<210> 6007
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6007

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atgaactntg attcttcttt ctggtcgaat gaaatgatat ctaacattta tatgcttagt 120

tctatcatga tgaacctgag ccttggccaa gcatatagca ctaatgttgt cacagtagat 180

gttagcatat tcttgattaa ttgcgagatc atatattaaa cctttcagcc ggattccttc 240

ctttgcatgt tcaataagag ccatgtattc agccttagta ngcaagaggg caacagaacg 300

ttgaagtgtt gccttccgaa tcaccaagct 330

<210> 6008
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6008

gagaaagatg tccanaanat ggaaaaatat attataaaaa atcaactccc tcttgttgtg 60

tgtaaccctt ggccacaagc ctagctttgt aactntggat ggcgccatta acacaatgtt 120

tgatgtgata aacccaccta taaccaattg aaacttatct tgnggaaaat cagttagata 180

cgaagtatga tttgcttcaa gagtatgtaa ttcatccttc atagctnttc ttaatacagt 240

ttcatactta acagcttatg catatgtttt gggttcagaa atntttgaaa tggctaaggt 300

atatanttga gatgactagg agacaaatga tgataggaca gaacagtgga taaggaatat 360

aaagcagtac ctgaagtaga agaaaggaac ctgctgagtt gagaaattgc atgtagtgaa 420

aaatgaaaa 429

<210> 6009
<211> 384
<212> DNA
<213> Glycine max

<400> 6009

tagctacatt aattgtccta catatcatga gttctgatag gttgacagta taatttgttt 60

taacagtgca tagaaattaa actctttcat catactatga taaaacaaac tttgaagtta 120

aatttttctt tcttattttg ggtgatatct cacgtaggaa aattcataca atatgtggca 180

tgtatttttg gaggtacagt catagcattc atcaagggtt ggcttctaag ccttgctctt 240

atatcttctc ttccacttct tggcctctct ggtaccgaat gagctttgct tttgccaaga 300

tggcatcccg aggacaaaca gcttattctg aagcaactac tgtagtggag cggacaattg 360

gttcaattcg aactgtatgc caac 384

<210> 6010
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6010

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taattatgac ctttcaagca acagatacaa tctaggttgg aggaatcacc caaatcttag 120

atggacaagt cctccacaac aacatcagcc tgtccctcat ttccagaatg ttgttggtcc 180

aagcaagcca tatgttcctc ctccaatgca acagcaacaa cagcagtcac aacaaagaca 240

acaagcaacc gaggctcctc ctcaaccttc cttataagag ttagtgaggc aaatgaccat 300

ctagaatatg caatttcaac anaagacaag agcctccatt cagagtttga caaatcagat 360

ggngcagatg gctactcagt tgaaccaagc tcanacccaa aattctgaca aattgccttc 420

acaaactatg cagaat 436

<210> 6011
<211> 266
<212> DNA
<213> Glycine max

<400> 6011

aaagctcgaa attgaatgtt gaagctctga gcaaattcaa acgacaataa cttttttactc 60

ggatgtctga ttgagtcccg taatatatcg aaaagcttga aattgaatgt tgaagctctg 120

atcaaattca aacgacaata acattttact caaatgtctg attgagtcct gtaatatatc 180

gaaaagctcc aaatggaatg tggatgttct gagcaaattc aacgacaata accttctact 240

tcgatgtctg attgagtccc gtaatg 266

<210> 6012
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6012

agctttgtnc ncctttgttt attaattagt gatgatttgt gaactacagg gactgcaaga 60

caagatcgaa ttggttccta ttgatcttaa aaacaggcct gcttggtata aggaaaaagt 120

ttatcccacg aataatgtaa agataccgta cgtggtcata tattaagtgg tgaaagctat 180

ttgatttgct tgattgatca tatcacgttc ttcttcttat gctataggta ccttcgttgg 240

agcacaatag caatggttta ggagaaagtc ttgatttgat aagatatata gatgccaact 300

ttgaaggggc acctctattc cccactgtaa gaactatata ttaatattaa ttattccata 360

catta 365

<210> 6013
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6013

acctgcacgc atgcaagctn tactatgcaa ggaatatcca aggaaatatt cttcatctga 60

cttagcatca aattttccta agttttcttt accattgttt aatacaaagc atttgcaacc 120

aaaaacatga agatgtgaaa tgttgggttt tctaccatta aacagttcat atggagtttt 180

ctttaaaata ggtcttatta aagccctatt catgatataa catgcagtat taacggcttc 240

agcccaaaaa tatcttggaa gaggagtatc attcaataag gttctagcaa tctcttccat 300

tttgttgagg ggttctaggt gcagaaaaat tatgttcaat gtcatgcttt tcacaaaata 360

aatcanattc tttattttca aactcacccc catgatcact cctaatagat ataaattccc 420

aaaggaaact caat 434

<210> 6014
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6014

cactaagcaa tcactacgca tagctctaaa ctcgaaggtg gttgacacat gaacganaac 60

acaattcatg gngctccgaa aaaggggttg agaatggaga attacactaa gcaatcacta 120

cgcatagctc caaactcgaa ggtggaggac acatgaacga taacgcaatt catggggctc 180

cgaanagatt gagaatggag aattgcacta agaaatcact acgcgtagct ccaaactcaa 240

aggtggagga cacatgaacg ataacgcaat tcatggggct acgaaaagat tgagaatgga 300

gaattgcact aagcaatcac tacgcatagc tccaaactcg atggtggagg acacatgaac 360

gataacgcaa ttcatggtgc tccgaanaga tagagaatgg agaattgcac tagcaatcac 420

ta 422

<210> 6015
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6015

agcttcaata aaaagatggc ctcagcaaat tttttatttc cagaagggaa ttctatcaat 60

agacctccaa tctttaatgg agaaggttac cactactgga aaacccgaat gcaaattttt 120

attgaggcaa tagatctaaa tgtctgggaa gccatagaaa tagggcctta tatacccacc 180

acagtagaaa gaattacaat agatggtagt tcatcaagtg aaagcataac tatagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaactt anaagccaaa 300

aacataataa catctgccct gngaatggat gaatatttca gggtttcaaa ttgtaagagt 360

gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacaga tgttaaaaga 420

tctaggataa atg 433

<210> 6016
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6016

tcaacattca acttcgagca tctttttata ttatacgact caattagaca tccgagtaaa 60

aagttattgt tgtttgaatt tgctcagagc ttcaacattc aatttcgagc gtctcgatat 120

atgacgggac tcaatcagac atctgagtaa aaagatattg tcgtcttaat tggctgagag 180

cttctacatt caatttcgag cgtctcgata tatgacggga ctcaatcagg catccgagta 240

aaaagttatt gtcgtttgaa ttggctgaga gcttcaacat tcaatttcga gcgtctcgat 300

atgttacggg actcaattag acatccgagt aaaaagttat tgtcgtttga gttggctcag 360

agcttcaaca ttcaatntca agcgtctcga tatatgacga gactcaatca gacatccgag 420

taaaaagtta ttgtcg 436

<210> 6017
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6017

agcnttgtgc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 60

atatatcgac acgctcgaaa ttgaatgtcg aagctctgag gaaattcaaa cgacaataaa 120

tatttactcg gatgtctgat atagtcccgt aacatatcga ggcgctcgaa attgaatgtt 180

gaagctctca cccaattcaa acgacaataa ctttttacac ggatgcctga ttgagtcccg 240

tcatatatcg agacgctcga aattgaatgt tgaagctctg agacaattca aacgacagta 300

acattttact cggatgtctg attgagtccc gtaatatatc gacacgctcg aaattgaatg 360

ttgaagctct gagctaattc aaacgacaat aacttttttac tcggat 406

<210> 6018
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6018

nntgatgcaa cattggagag gttatcgata caacgagatg atgcgcctca tgagagggtg 60

gatcanatgg agaatagaga tcataatgaa gaagaaagag gagaagaggg atgatgatgt 120

tcctagacaa aaccgaatng atggtattaa actcaacatt ctccatttaa ggaaagaatg 180

atccggaggc ctacttggag tgggcgatga aaatagagca tgtnttctca tgcaacaact 240

atgaggagga ccagaaggtg aagcttgccg ccacggangt ttccgactat gctcttgtgt 300

ggtggaacaa gctacaaaag gggagagcaa gatatgaaga gccaatggtt gatacatgga 360

cggagatgaa aaagatcatg 380

<210> 6019
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6019

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ttacctatat gttatttgta aagtctcgac tagtcttaca tganagccta acttagccta 120

caagcctatt tagaagcttg cttaaaggtc tttgatcaat taattatttt aaaacctaat 180

gaaatactaa ttaaaaaaaa aagaaactta taaaatttca tataagtaat gtacaaattg 240

aaaaataatt gataaacaaa atcatattga attcaagtcg ttaaaacaca cagtatatat 300

aaaaatgaaa aaaaaacata atattaaaaa atacacggac atgcttaggg gtgaaatgcg 360

tataggttac aatataactt taaaagtact tgtattttct atttattatt ctata 415

<210> 6020
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6020

agcttccatc acaaacactn tatggttaga ttgttggtag aaataatatc ccattgtttc 60

ttcaggataa ccaatgaatc tacacttatc agaccttgcc tcaagtttat ctgtttgcaa 120

tcttttaaca taatcagggc aaccccatac cttgatgtgt ttaagacttg gtttctttcc 180

tttccatatc tcatatggag ttgtagagac tgcctttgta ggaactttat ttagcaagtt 240

ggttgttgct tctaaagcat atccccataa gtttaatgga agatcggtga accccatcat 300

ggatcttacc atatctagta aggttcgatt tcttctttca gatacaccat tgtgttgtgg 360

tgttcccgaa tgtgtccact gagagagaat ctcattctcc tttagataat caa 413

<210> 6021
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6021

gccctatcat ccttgtctcc gtcgccttga atgtcctcgc cagattcctt atcgtctnta 60

tgcacggaat caaaagctcc gaatccgctt tctctattat cttcaccact tgatcaacaa 120

cggctttgca agcaggagag ttgggcttaa acgcggattt ccttaattca gcatctttct 180

ctgccactgc tgtaatctcc atcaccgcca tagccgaatt gtactgcaca gcctccgttc 240

ctttttcaag aagaacagcg aaacagagca gtgctcttga ttcagtaatg ctacgacaaa 300

ttggcgagtt tcctttcgct aattgccaga gagccctcgc tgccatttcc ttcatgttag 360

ccttagtcct aggatcctca tgatcccttc ctttcatgtt atc 403

<210> 6022
<211> 383
<212> DNA
<213> Glycine max

<400> 6022

tgctctattc aaccggagtg acaagaatat cttcttactg atcaacactt gctcatggcc 60

aaagatgcgt gggagatcct gaaaaccact catgaaagaa cctccaaggt aaagatgtcc 120

agactgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga agagtgtatt 180

catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt gggagagaag 240

atgacagatg gaaagctggt gagaaagatc ctcagatcct tgcctaagag atttgacatg 300

aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtgga tgaactcatt 360

ggttcccttc aaacctttga gct 383

<210> 6023
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6023

agcttcataa cagctntaat actctctcgt gagatngcac cctctggcca gtccaaccta 60

ccccttcgaa catacttctc tgcatgtcgg ctacatgggc agagtaaaag atacactcgg 120

ttatgttcaa gttcaatcat ttgataaatt tgataataat agaaaattca caaggtaaat 180

cacttactca actctcttta acatctgctg tggtatagga ccaagcaccc tctccatcat 240

agccagatgc tctaaatttt catgagtctg aaacaaagct tcaccctgca atagaagccc 300

ataagctgat ttaaacaaac aaaactggat aaaattggcc taaaagtatc cagagagcca 360

aacttacagt gcataattca accaatatac agcccacact ccatatatca catggatagc 420

tccacccaag tcct 434

<210> 6024
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6024

tttacccatn tatgtgagtg aganattata taaatgtaaa atttactcac actattgtta 60

tgattacttt tagaaccatt attatgatta tatgctataa aactatactc atatttctta 120

tgatttcaaa gttaagttaa ttattttata ttctactctt tttacttatt taaatattaa 180

taaatatgaa atatacagat tataagaaaa tatatgataa gctactataa taaatcataa 240

tatgtgatat attctatttt atgaggataa ccgcatgaaa actcaatatg tttaatctta 300

aaagatattc ataatactta ctaattgtat tgataatgaa ttatggataa taaattatca 360

aataataaca aatntatttc ataatgcaca agttgaatga atttcaattt aaataattat 420

aaatttatat ttactatact ctttctaatc tatacacat 459

<210> 6025
<211> 453
<212> DNA
<213> Glycine max

<400> 6025

agcttcatag gccttgtatg gtctgaaaca tgctcccaga gcttggaaca agagaataga 60

caccttttctc ttgcaaattg gattcatgag atgcactatt gaatatggtg tgtatgttaa 120

aggagaaagt ctttcatata tcctcatagt gtgtttatat gtggatgatt tactaataac 180

atgaaaggat tgcagtgtta tctcgacatt cacgcaagag atgaagtctg agttcgaaat 240

gtcagatctt ggagaattat catattttct gggcatagag ttcaagatga caaaggctgg 300

aatttctatg caccaaagca aatacacaat tgatgtccta aagaggtttc agatgcttga 360

ctgccactca gtttcaactt ctgttgaaac tagtgctgtg ctggatcaat ctgggcttga 420

acaattggta gataagactg tgttcacacc aat 453

<210> 6026
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6026

ntgagcanat tcaaacgaca ataactnttt actcggatgt gtgattgagt cccgtaataa 60

atcgagacgc tcaaaattga atgttgaagc tctgagccaa ttcaaacgac aataacgttt 120

tactcggatg attgattgag tcccgtaata taacgagacg ctcgaaattg aatgttgaag 180

ctctgagcca attcaaacga caataacttt ttactcggat gtctgattga gttccgtcat 240

atatcgagac gctcgaaatt gaatgttgaa cctctgagcc aattcaaacg acaataactt 300

tttactcgga tgtctgagtg agtcccataa tatatcgaga cgctcgaaat tgaatgttga 360

acctttgagc caattcaaac gacaataact ntntactcgg atgtcctatt cagtgacgta 420

atatatcggg acgctggana ttgaatgttg cacctctgag caaattaaac gacaat 476

<210> 6027

<211> 323
<212> DNA
<213> Glycine max

<400> 6027

agcgttgata ttccttgttc cggatacctc tctcttctca tgtgcaccca aacccaatct 60

ccgggttcga agacaacctt ctttctccct tcgatggcgt tggtagcata gcttttactg 120

tttctctcaa tgtgagcttt gactctataa tgaagcttgt tcacatagtc cgcctctgct 180

tgaccttctt tatgcttaaa aacagacaca ttaggcatag gcaaaagatc aagaggagtt 240

agtggattaa aaccatcaac aacttcaagg tttaagacag aagactcata cgatgacgcc 300

gatcgaacat tacctaatag aca 323

<210> 6028
<211> 189
<212> DNA
<213> Glycine max

<400> 6028

ttgagctcct ctgctgacca ccatacacac cttttgcctt ccatgccgcg accctgagca 60

attaagcagc ttgaaactta tgctgcaaac atttacaata gaccttctgc agctcagcag 120

cgaaatcgac cacagcacaa taattatgac ctctccaacc acagatacaa ccctgcatgg 180

aggaatcac 189

<210> 6029
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6029

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ttcacccgac aaagacactt gttagtgctt agctctacgg agctttaaaa gattggctaa 120

gattttgtta aaacatgagc acttagacaa tgaaggaaag ctggagttgc tgcacatgat 180

gtccaacgtt atgtcaagga ataagatcgg gctgcacatt gtacaaggca agataaaatg 240

tcaaatgaag aattgaagtt gcaggatcca cgatgtcgga tacaatgtcc tgacatcctg 300

cccgagaata ctggagttgc tgtacaatgc aagataaaag tcaagtaaag aagtgaagct 360

gcaggattca cgatgtcnga cacgatgtcc tgacatcttn gcccgatata ctggacatat 420

aanatctgta tatcttt 437

<210> 6030
<211> 486
<212> DNA
<213> Glycine max

<400> 6030

ctgaatgctc tattcaatgg agttgacaag aatatcttca gactgatcaa cacatgtaca 60

gtggccaagg atgcttggga gatcctgaaa accactcatg aaggaacctc caaactgaag 120

atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagaa 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240

gagaggatga cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360

ctcattggtt cccttcaaac ctttgagcta ggactctcgg atagggctga aaagaagagc 420

aagaatctgg ctttcgtgtc caatgatgaa ggagaagaag atgagtatga cctggatact 480

gatgaa 486

<210> 6031
<211> 442
<212> DNA
<213> Glycine max

<400> 6031

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ttccttctgt gtccagcatc ttgggatgtt cccagccttt gatgacagct ttccaggttc 120

tgctatccag tgatttgagg aaggccacca tccttgcttt ccagtattca tagttggttc 180

catccagaat tggtggtctg ttcactggtc ctccttcttt ctccatgttc atcagaattt 240

atctccctag gtctcactca gtgatttcga gtgcctgctc tgataccaat tgaaattctg 300

ataccaatgc cagatgtcgt acaggatgtc acgacatcac gcttcagaac atgcagatta 360

tctctgagtg tatgaacaga ttaaacaagt aaataacaca agagaattgt aacccagttc 420

ggtgcaacct cacctacatc tg 442

<210> 6032
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6032

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catatcgaga cgctcgaaat tgaatgctga agctctgagc aaattcaaac gacaataaca 120

ttttactcgg atgtctgatt gagtcccgta atatatcgac acgctcgaaa ttgaatgttg 180

aagctctgag caaattcaaa cgacaataac tttttactcg gatgtctgat tgagtcccgt 240

aacatatcga gacgctcgaa attgaatgct gaagctctga gcaaattcaa acgacaataa 300

ctttttactc ggatgtctga ttgagtcccg taatatatcg acacgcctcg aaatgaatgt 360

tgaagctctg agcanattca aacgaacaat aacttttact cgggatgtct gatgagtccc 420

gtaacatatc 430

<210> 6033
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6033

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catatcgcaa gcaagcattt atccaccgca gatataccaa ttcttcaaga tctgaacatc 120

gatcagactg aaattgctca atttccttca tcaagcgcac attttcttgt ttaagacact 180

cactttcttg cttcacagca cctgcctgca ccccaaaagc ataagataaa aatttactgt 240

taacaagcag tgactaaact aaaggaaaag agtacgtgac tataatcttc ctacctctgg 300

gtcttccaga aatgcatttg caaggatctg ggtagaatcc aatcttcgag ctaagtcaga 360

attntctatc tgcaatctta aaatagattt cctcaactct tctgcttcag actcaagata 420

ctttagctnt tgcatctnta tttgaatatc ttgatcataa gcagcatctt 470

<210> 6034
<211> 361

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6034

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caagtatatt caccaggaaa acattgttgt ggaaggaaat tgtagtgctg tgattcaaaa 120

gatccttcca cccaagcata aacaccctgn gagtgtaacc attccttgtt caattggaga 180

agtcactgtg gaaaaggcac ttatttattt gggagccagt attaatttaa tgccactctc 240

catgtgcaga aggttgggag agttggagaa catgcccact aagatgactt tacaacttgc 300

tgaccactcc atttccagac catatagagt aattgaagat gtgctggtca gagtaaaaca 360

t 361

<210> 6035
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6035

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ggcaattgga agagatccaa atcattggag tgaagctgag agattttatc ctgagaggtt 120

cattggaagt tctgttgact accaaggcaa tagttttgag tacataccat ttggtgctgg 180

aagaagaata tgccctggcc tcacatttgg gttgaccaat gttgagtttc cacttgcatt 240

gctaatgtat tattttgatt ggaaacttcc caatgaaatg aagaatgaag atttggacat 300

gactgaggct tttggagtat cagctcgtag aaaagatgaa ttgtgcctca ttcctatcac 360

tttccatctt tagcctacac aagctctaca ataattagta aaagtaaaag agctgagaat 420

aaagaanact ctatatctat 440

<210> 6036
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6036

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ataaattatc aaagcaatct agaaagttgt actgattacc tagaaaatca tcacataata 120

ttgatactcc atacaaatga atcaagtgtt gtgtattttg gataaacaaa aagggttatg 180

agccatctaa atccaacaca tctcaaccca tgccgtggtg aaaaataaaa ctaactaaac 240

aaaaaatgct cctccggcat tgagccatct aagttatcga ctcagtgtgc tctttgttag 300

taggggtgat gacggttttt cttgtgagtt cttnctgcct tcatagtcaa tgtgcttgaa 360

atccaagatt gatttgattc agaggaatca tcatagagcc aacaacatag ccgaccatct 420

tccccacccg tccaaccgag aatgccttgg ctaggactat tagtacgtcc act 473

<210> 6037
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6037

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agcgaatatg gctgtcttgg agcgtgcttg tgatttcttc tttcgccatg ctgcacagct 120

ttcaggtgtt cccttgagaa tggtggagag aagcagaagg aacttccctc taagaaaagc 180

tcgtgatgct gctgaagaga tgctctctgg gctactcaaa gccaaagttg atggatttat 240

gacattgatc gagaatgtaa attggatggg tgacgaggca cctcagagtg gaaatgaata 300

tgtaaacgag gtcataattt atttggaaat nttggtttca actgctcaac agatattgcc 360

ttctcaagtc cttaagagag tattacagga agtttttgct cacatatcgg agaagatagt 420

tgggacttta gttagtgatt ctgtta 446

<210> 6038
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6038

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ttcttttgca agaagaaggg acacatgaaa aagaattgcc ccgggttcca gaaatggctt 120

gagaagaaag gtaaatcaat ctcattagta tgttatgaat ctaatatggt tagtgttaat 180

attaacacct ggtggattga ttctggatct actattcata ttgcaaattc tttacagggt 240

atgcaaaacc taaggaaacc agtgggaagt gagcaaagca ttttatcagg caataagcta 300

ggctcacatg tggaggccat tggaacttgc attttgactt taagtagtgg ctttatttca 360

aaattagaaa ggactttnta tgtaccaagt ttttcccgaa acttgatttc tatttcaagg 420

cttgtaccgt ttggatattc ctttaatttc aaagacacat catnntgagt tatttataat 480

tct 483

<210> 6039
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6039

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ttccacagtt aagaacaacc tctgctttat gaatccttca aaggggggaaa aatcaccttc 120

attggttgca tcaacttgaa caaccatgca tgctctgaag aaggaagaac tgccggaatc 180

ttcattttct tccagtccat gctaactaaa tcagttgatg ctgaataatc cctgataagc 240

acatcaatat tttgtactct attcttaaca tttcttatct tctgagtttg gtcaatcact 300

tcctcctttg cattattttt caatgtaatc ctcttatcaa gactcaatcg tttggccttc 360

ttattctggt ttctaaccac aatatcacaa ttttcatcat catgttcatt accaaccttc 420

ctcctcctcc acaagactct ctcgactnta ctatcaatat cttccatatt acaggg 476

<210> 6040
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6040

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atagatntag cttaaaagtg aacttaaata aatcataaat caaatacaac aatacaatct 120

caattcatac ttcaatctca tgcaattgaa tcatgtaatg ttatgctgac tcaactccat 180

ggagatttct acaacttttg ggtagtccct ataggcctca tcccctatca tggtttcact 240

tttttaccac tcaaggtatt ccttgagctg accctgtgga caaagtatga ttntatcgaa 300

tatagacaaa tatgagtatt agtttacttc tataaggttn taagacctta catacaacaa 360

caacaacaac aacaacgcct tatcccacta ggtggggtcg gctacatgga tcaacttccg 420

ccataatgtt ctatcaagta ccatacttct atccaaacca ttaatttcga gatccttgtt 480

tataacctct cttat 495

<210> 6041
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6041

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tttcttgctt ctccaacttg ggtttcaaca ttctatagtt gatcactcct tttttatcca 120

tcacacagtt gattccctta ctactcgtgt atgtagatga catagtcatt gttggaaatt 180

ctatggatat gataacttca ttcaagcaga ttttagataa tcaatttggg cattcttaag 240

ttctttcttg gtgctggtgt tctcagtgcc aaacctgcaa gcacccccttc tgaacctacc 300

tttgagactt cgccaagatg tcgctcctat acctgactnt cacacgcnca gatatatccc 360

atgttgacca acaacttagt caattntcag ccctcccaac agtgagtcat tatcaataag 420

cccaacgcgt acttt 435

<210> 6042
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6042

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ttgagtttct ccacctcagc ctctaatgct tgttcccttt cgggtttgtt actaagtcca 120

gagttgagat tagtagtatc aaattcagca acaaaagtgt taaaagcctg gttttgaaag 180

ttagttgtac tctcacgtac gcgatcttta tccttaaaca aatttatttc aaaatccttg 240

gagggtacag tatcaggctt gtgtaatttt ccatgtgtac tgcttttcac ggtatgagtn 300

tgtgtgttaa ccactttgtt aggaccaaca tttntgggta actgttcgtt ntcaggaaga 360

atcctatcat gtntcggtga aatatggtgg ctagatggtt cttcatcaaa aattggttta 420

ctcttatcct cagcaacaag tgattccttt gcatgctgag t 461

<210> 6043
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6043

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gctcacctcc ttgagatgag aagctagagc ttagctacac acccccctata atagctaagc 120

tcacccccat gaggaaaaac atgaaaataa caaaaaaagt ccttattaca aagacaactc 180

aaaatgcccc aaaatacaag gctaaaaccc tatactacta taatggccaa aatacaaggc 240

ctagacgaag gaaaaaccta ttctaatatt tacaaagata agcgggctca tacttagccc 300

atgggctcga aatctaccct aaggctcatg agaaccctag ggcctttcct tggatctcta 360

gcccaatcta cttggagtct tctagccaat gcccttgcgg ngtaggattg catcattccc 420

tccaccttgg aaaggatttg acctcaaatc ccgaggttct tcatactctg ngctccttcc 480

ctcaaca 487

<210> 6044
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6044

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acggaattca agcacaagag acttggtcat tgtcatcttg aaagaatgct aaacatgaaa 120

aaaaggaaat atgcaaaaga aaatttgaag aagtttcaaa tggaggaatg caaatctgtt 180

agcacaccaa tgaatcaaaa ggtgaagttc aacaaggaag aaggtggtga taacattgat 240

gaaggatatt gtgggagctt gattggatgt ctaatgtatc tcacttcaac aaggtcaaac 300

attctatttt ctaaaaagaa caaaactgga atttttgttg acaatcaagt agccattgct 360

attgcaaaca atcccgtgtg tcatgggaag attaaaca 398

<210> 6045
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6045

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acgagacatc ttgccaaaca aagtcaggtt agcgataact cgcttgtgct ttttcttcca 120

tgctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggcagc 180

aattatactg tgccagtagg agatgtatct tccccctact ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cctatttatc tacggtggat 300

gtacccggct gagcgataca tgaagatctt agaagggtat acaaagaatc tatatcgtgc 360

aatagcatct attgatgaga ggtacattgc tgaagaagtc attggaattt gttcagaata 420

cttagag 427

<210> 6046
<211> 390
<212> DNA
<213> Glycine max

<400> 6046

agcttgtagg gttaaagtct cacgattgtc acgtgctcat gcaacaattg ttagccgtgg 60

ctatacgaga cagcttgcca aacaaagtca ggttaacgat aactcgccta tgctttttct 120

tccattctat atgtagcaaa gtcattgatc cagtcatgtt tgatgagttt gaaaatgagg 180

ccgcaattat actatgccag ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtaagagaaa tcaaatgttg tggtcctgtt tatctacggt 300

ggatgtaccc gattgagcga tacatgaaga tcttataagg gtatacaaag aatctatatc 360

gtccataagc atctattgtt gagaggtaca 390

<210> 6047
<211> 423

<212> DNA
<213> Glycine max

<400> 6047

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tgtcccaggt tccaagcaaa cacagccatt ccccaccacc acacctgctc tccaaagtaa 120

tttggatgcc gagaataata ccacaaccct ttgtcaagaa tagggacctc cttgttcttt 180

ctactcacaa agttgtaaag ctgagtatca gcaatgtatg ccgtgacaat gccagataca 240

cacacaacta tggctaccaa gtcccacatg ctcagaggct ggttcaccga gtggatgaca 300

tagaacggaa gagacaatcc aatcagaaac acctgcaagg ttgtcttgat gtaaattaaa 360

agtaaaagca agggaaaatg atgactaaga gtaaccttaa ttacctgctg agggacgtag 420

atg 423

<210> 6048
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6048

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tgggatccaa cacctgttgt gaggccaaca ttttctcagg tcattgtacg gttggacaaa 120

attgttgcaa attgctcaaa acaaggatgg tggaaagata cttttaaact cccttggtat 180

ggttccttga cggatatcct tataaaattt tagattcttt ggttgaattc aaaacggtga 240

agtgtaatac cttgaaatgc taaaatcaac catcccttgt ggtttgtgtc tgggataggg 300

atgttttacc tcgggccatt ttagtccgat ttgagcaatg ctagttgcaa aaagactgat 360

attactgttc tacttgttga tgaaacttct ttgctgtttt ctaaacttgg ctttaccatg 420

attcatttca atgtgtgtag gaaataaata acaaggtaca taccacgtgg caaggaagac 480

at 482

<210> 6049
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6049

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caatttcgag ggtctcgata tattatgtcc caaattcgaa catccgtgtg aaatgttatg 120

accatttgaa attctagaga gcttccgttg ttcaatttcg agcgtctcga tatattatgt 180

accaaattcg gacatccgtg tgaaaagtta tgaccattcg aatttctcgt gagcttccgt 240

tgttcaattn tgagagtcta gatgagttat atacgcgaat cgaacattcg tgtgaaaagt 300

tatgaccatt caaatatctt gagtgcttcc gttgtgcaat ttcgagcgtc tcgatatatt 360

atgtccccca tttggacatt cgcgtgagaa gttatgacca cttcaatttg tcgagagctt 420

ccgttgttca atttcgagcg tctagatgag ttatg 455

<210> 6050
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6050

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gcttgctaag ggtagagaga ggaagactag agatttggat caagtaaagt gtgttaagga 120

tgaagaaggc aaagtcttag tgcatgaaaa agatatcaag gaaaggtgga aggcgtattt 180

ccacaactta tttaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240

ggaccggaac tataagtact atcgtcggat tcagaaacag gaagtaaagg aagcgttgaa 300

aagaatgagt aatggtaagg cggtggggcc agacaacata cctattgaag tgtggaaaac 360

tcttggagat agaggtcttg agt 383

<210> 6051
<211> 468
<212> DNA
<213> Glycine max

<400> 6051

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gaactacttc acattgattt atttgatccc tctagaatta tgagtttggg tggtaattac 120

tatgtcttag ttatagtgga tgattactca aggttcacat ggacatttgt ttttgaaaac 180

caaaaatgaa gcttttgatg cttttcacaa acttgccaag atgattcaaa aatgaaaatg 240

gtctttatat tgtttcactt agaagtgatc atcgaggtga atttcaaaaa tgagtctttt 300

gaaagctttt gtgaagaaaa tggaattcac cacaattttt cttccctaag aacacctcaa 360

cagaatggtg ttgtgtggag aggaaaaata gatcccttga agaaggtgca agaacccttt 420

taaatggaac aaagctacct aagtactttt gggctaacgt tgtagaca 468

<210> 6052
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6052

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ttagttcttc tcaagtactt aagaatggtc tgaagtactt ttcaatgttc ctcaccgagg 120

tttactggat attgactagc tgcacttagt gaataagcaa cattaggacg tgtacaaatc 180

atgatataca tgatagctcc cactgcgctg gcatatggta ctctagtcat gcattctttc 240

tcttcatgag tntaatataa ttntgtaaga tgacccttgt gttgaatgtc ttcttatgac 300

ctttgttgct tgtttgataa ttgggagtaa tatagagatg atttatgatg aatacctatg 360

aaaaataggc atgttaagct tcaaaaattg cggttactcc ttttttaatt catttcatag 420

tttaaggaac taattaaaat agaaggacac atgtgtaggg gactctgtta ttatt 475

<210> 6053
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6053

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attaatatat ctccattctg atttataatt tattgattca gttctcttga ctttcatgtg 120

aacaggtgat tgcagagtat ttgtccttag aagaagctgc tggaataaaa gagggattcc 180

agctgatgga tacaagcaat aaaggcaaga ttagcgtcga tgagctgcgt gtagggttgc 240

ataaactagg tcaccaaatt cctgatgggg atatccaaat acttatggat gctgtgagta 300

tttttcactt tatctggaaa cttttctttt ctgtttgttc tacaattgat gtgtgaagaa 360

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ttaattgcaa acttggtagg agttattagt ttataaatgc taacac 466

<210> 6054
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6054

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agtttcttcg agccacactt ccaagagcag tgtagggggt tctgtnggtt cgagcgaggg 120

gtttccggca gtattgaaaa caatgtggga caatgtgggt gtcgagggag cggtttctgg 180

cagatttcag gcgggaggag aaagagaaca gcgactgcaa ggttttcgag cgcacgggtt 240

gtgaaatgcc aatgttttaa cttataaaca taacaacatc ggttntttaa ggataaccga 300

tgttaactaa atatagttaa catcggttnt ggaaatcata taggttatat cggttnttaa 360

aaaatcgata ttaagatcaa ttccttaaca tcggttttca acatcgattt tgagaaaacc 420

gatgtttac 429

<210> 6055
<211> 477
<212> DNA
<213> Glycine max

<400> 6055

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actaaattat taagaaaaat agaagtgcag gctaaagaga tgtccaataa aagctaaata 120

ataaataaaa tacattaaga atatcttaac acacgagttg ttataaatct tgtagtgcat 180

atctttgaat tttaccgatg aaaaaattta ttgacaaatt caaaattctt aaatttaatt 240

tagatatcat gaataattga aggccagtca tgtctttgta tataataaat cttatttctt 300

ttatttttct tttcaaataa aaaatatata tataactttc tttatcccca aataaataaa 360

atataattat tcttttacct cagaaataat tttttaactt aaattccgtt ttcatctcta 420

taaatgtgtt agtttttggt ctagtgtcta ttagttaatt atagctcgga cccatat 477

<210> 6056
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6056

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ctcaaaattg aatattgaag ctctaagcca attcaaacga caataacttt ttactcggat 120

gtctgattga gtcacgtaat atatcgagac gctcgaaatt gaatgttgaa gctctgagct 180

aattcaaacg acaataactt ttttctagga tgtctgattg agtcccgtaa catatcgaga 240

ccctcgaaat tgaatgttga atctctgagc caattcaaac ggcaataact tttttcttag 300

atgtttgatt gagtctcgta acatatcgag acgctcgaaa ttgaatgttg aagctctaag 360

ccaattcaaa cgacaataac tttttactcg gatgtctaat tgagtcctgt aacatatcga 420

gacgctcgaa attgaatgtt gaagctctga cccaattcaa acgacaataa ctt 473

<210> 6057
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6057

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atatatcgag acgctcgaaa ttgaaaacgg atgctcgtag caaatgcaaa ccgcaataac 120

ttttaactcg gatgtatgat tgagtaccat aatagatcga gacgctcgaa attgaaaaaa 180

gaagttctga gcaaattcaa acgactataa ctttttactc ggatgtctga ttgagtcccg 240

taatatattg aggagcacga aattgagaac agaagctctg accataatca aaccaaaata 300

actttatatt cggatttgcg attgagtccc gtaatatatg aagacgctcc aaattgaaaa 360

cagaagctct gaacaaattc aaacgacaat aactttntac tcggatgtcc gattgagtcc 420

cgtaatatat cgagacgctc ggaattgaga acagaagctc tgag 464

<210> 6058
<211> 460
<212> DNA
<213> Glycine max

<400> 6058

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gcatctgtaa agcagatgga tattattaat agatgcttgg attcttttt gatatgtcta 120

gttagaaagt ttcaatatct aaaactagaa tgttggtctc caagaatgtc aattcttctt 180

gggttgtgga gttgagtgag ctatctgggt tatctcctat gttagacttg gggaagtacc 240

tcggtgttat gtttttgcat tgtaggaaga gtaaggacca ttatttttta tctcctagac 300

cataccaaaa agaggctttc ctcttggaaa gctaattctt tgtcattctc tggtaggctt 360

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cctatgagtg tgtgtactaa gttggaacga atggccaaag 460

<210> 6059
<211> 406
<212> DNA
<213> Glycine max

<400> 6059

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ctttccactc ggatgtccga ttcaagcaca tcacatatgg agacgctcga aattgaagca 180

cggaagctct tgagaaattg aaattgtcat aacttttcac tcggatgtcc gattcaggca 240

catcatatat tgagatgctc gaaattgaac aacggaagct ctcgagaaat tgaaatggtc 300

ataacttttc actcggatgt ccgattcagg cacatcacat atcgagactg ctcgaaatga 360

acaacagaag ctctccagaa attcaaatgg ttataacttt tcacat 406

<210> 6060
<211> 459
<212> DNA
<213> Glycine max

<400> 6060

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aatcggactt ccgagtgaaa tgttattgtc gttcaaattt gctacgagct tcgattttaa 180

atttcgagcg tcacgatata ttacgggact caatcggact tccgagtgaa atgttattgt 240

cgttcgaatt tgctacgagc tttggtttta aatttcgagc gtctcgatat attacgggac 300

tcaatcggac ttccgagtga aatgttattg tcgttagcat ttgctgcgag cttcggtttt 360

aaatttttgag cgtctggata tattacggga ctcaatcaga cttccgagtg aaatgttatt 420

gtcgttcgaa tttgctacga gcttcgggtt taaatttga 459

<210> 6061
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6061

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atttcactcg gaagtcctat tgagtcccgt aatatatcga gacgctcgaa ttttaaaacc 180

gaagctcgta gcaaattcga acgacaataa catttcactc ggaagtctga ttgagtcccg 240

taatatatcg tgacgctcga attttaaaac cgaagctcgt agcaaagtcg aacgacaata 300

acatttcact cggaagtccg attgagtccc gtaatatatc gagaacgctc gaatttaaaa 360

ccgaagctcg tagcaaattc gaacgacaat aacatttcac tcggaagtct gattgagtcc 420

ccgtatatat c 431

<210> 6062
<211> 462
<212> DNA
<213> Glycine max

<400> 6062

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tctatcatga tgaacctgat ccttggacaa gcatataaca ctaaggctat cacagtagat 180

gttagcatat tcttgattaa tttcgagatc atttatcaga cctcttagcc aaattctttc 240

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atctgagtga gatccatata tcagacctac atctacagtc cc 462

<210> 6063
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6063

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aacatcatct atgtgttttg gctcaatctc tgagagtaat gtgttatgct tgagagaatt 120

ccttgtctgg actttgccct taggatcacc aatgatttga gactctggat gatgttttct 180

caagaatcgt cctgttggtt ctctaacttc tttaggttta tcgtccactg gtgagttgga 240

cacatgtttg tcttgactgg atgcaacaat agatttcacg atattttcta ttttcatctc 300

tccaaaagac tcatctaggt ctaacattgt agtgtcagac ttgttgttaa attttacatg 360

aatagccttt tccatatcaa ggttctagac ttgtacactc tatatgcctt ggacgattca 420

gagtatccaa gtacgattcc aaaatcacat ttggagtcaa ac 462

<210> 6064
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6064

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gctagagctt agctacacac cccctataat agctaagctc acccccatga caaaaaaaca 120

tgaaaataca aaaaaaaaaa gtccttacta caaagactac ttaaaatgcc ccgaaataca 180

aggctaaaac cctatactac tagaatggcc aaaatacaag gcccagacga aggaaatacc 240

tattctaata tttacaaaga taatcgggct catacttagc ccatgggctc gaaatctacc 300

ctaaggctca tgagaaccct agggccttcc cttggatctc tagcccaatc tacttggagt 360

cttctaccca atgcccttgc ggggtaggat tgcatcagta agtatcccag cattacaatt 420

atattcttgt gctnnttgca atcaaaacat tatgctctat tcctagcaac gtaat 475

<210> 6065
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6065

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tatcaccaag gaaacactga ccttcaaatt gatcagcaat caaattgtac actgcacaag 180

caatagcgga cttccctatt accacaattc cataaatccc caccatgctt actccttgat 240

tggatccaac atccaaaagt gagttcacct cttgcactct agactccaat ccaattggat 300

aattagccac atgtaaaggg ctacgattta tctatctgga cacctcttca aaaatttttct 360

gaataacttc atgttcatac ctacccaaat acaaaataca tataaagtta aatcaaatgc 420

atcaaatcca tgccccagtt cattcacaaa ttcaaatctc attatatctt tgtcatg 477

<210> 6066
<211> 462
<212> DNA
<213> Glycine max

<400> 6066

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cttatggacc cttgatttgt cagccccaaa gctccatcta cataggtaaa gacaaatgca 180

aacaataata tttaacatta atcataaaga ttaagaataa gagaaacatt ccttgtttca 240

ctcatatcca tgctattcat ggtccttggc tccagatcca tgagcactgc ccttggcaca 300

aaatatctac tggtttggat agctcaacta ctttagaaag tgttaattca ctcaagcaat 360

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acaatctttt ttatgacatt attctactct ctgatagtca ca 462

<210> 6067
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6067

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tcaaagattt ctttttcctt tttcaacata cactcgttgt tttataaaaa aattttcttt 180

atatacactc attgctcaca caccagaatt tcttttcaca cattatttat acacacaaaa 240

tcttttcata cactctttat atacaaaaac tcttttcttt tctttatata agatatgaca 300

tttgttcaca acgcctcttt ctttttctat tcttggtggt atcatgat 348

<210> 6068
<211> 343
<212> DNA
<213> Glycine max

<400> 6068

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taaaaagata ttgtcgtttg aattggctca gagcttctac attcaatttc gagcgtctcg 120

atatgttacg ggactcaatc agacatccga gtaaaaagtt attgttgttt gagttggctc 180

agagcttcga cattcaattt caagcgtctc gatatatgac gggactcaat cagacatccg 240

agtaaaaaga tattgtcgtc ttaattggct cagagcttcg acattcaatt tcaagcgtct 300

cgatatatga cgggactcaa tcagacatcc gagtaaaaag ata 343

<210> 6069
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6069

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tctacctgaa gaatcttgta gaagtccacg cccatgcttt ctctgttttt ttcttcactg 180

ctatgaaaca agataaagga ggaattgtga attatctcat atctctctct ctttacagca 240

tcatgatatc acgttccttc tgatacaata caggtaccgg gaggaataga tgtcgatgct 300

gctgctagtc caatcccaaa tgtggtataa atatatcatt tatttataat cttatgttaa 360

tttaacctag ctaatagttg aataataata atcataataa taactataat aataataggg 420

taggtatata ttccttgaca ttctttttaac ttgtagactc ttatgtgata taattctt 478

<210> 6070
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6070

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cttacttgac caaattcact cacattctat aacatactac atatatgcta catctgatct 120

gatcatatct tactgatatt tttatactag aaaattatat atatgtatat atatatatat 180

atatggcatc tttttaaatc aatacacacg agatgctgga gtttttgttt ccgtagtcag 240

aactcatgca cgtagagaga cagtatagtc aattaatatg ttaattaggt accctacacc 300

cacctgtttc caagaattcc atgtagctnt aagatggtat gtacttcttc tatgctgaat 360

ttccctcgtt taatatcagg cctcaagtaa tttatccaac gaagcctaca actcttgcca 420

caccttaaca aacctaaaca atcatatcat atcatataga taag 464

<210> 6071
<211> 465
<212> DNA
<213> Glycine max

<400> 6071

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ttcgatcagg atccattact tggtgaaaat tcaaagtgct gttcttgttg taatgagcaa 180

tgggttttaa aaggttatga tcgaaggttg gtaattacca agtcaattgg gtctggcaat 240

gctgattttg atgaatcaaa cgttgttgga aacaaatttc acaagacaag aagagctaaa 300

ccatttgtat catccagagc tacacacctt agaaataaac aggcagatcc tttgtctcat 360

gtcggttaca ctgagctaaa gattacttcg gatactgagt ctgaaccgga tgtttcctta 420

tctgatgatg atggtacgag cataccagtt cacggtacat atgac 465

<210> 6072
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6072

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tcacaacggt taaagtgtgc gcaattgaat ttcgaacaac atatccaaat ttcatgaaaa 120

tccaacggtt aacgaaaccg ggatcgtagt tttactgaga ccattttggg tttctgcggg 180

aaaagagaaa gctacggtac aaagggtatt agctctgaca tgtttttaca attcccaacg 240

gtgaaaatgt tangaattgg gttgcgaaca tggtgctcaa atttcatgac gatccaacgg 300

tgaataaatc cgagatcatt gtttttctga gataggtttg gttggctgcg ggaaaaagaa 360

aaggttttgg gaggagaagg agaaaaacga atatgagaga aataagaggt accgtcagtg 420

taaaaactga cctagcgcta tntatagcta gggctaatct atntatgtat ttatta 476

<210> 6073
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6073

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agtttgatgt catggtatgt gtatttacat tctattctgg tttgctgctg tttatgcact 180

tatgtaattt tgtctaatgt atttatgcag taagcacaca caccttgag ttaataactt 240

gtacaagaga aattagctga gaaatgagta gttgcacgaa agagagtgaa aagttataac 300

aaaagctaag ttgctctacg ataaatcatg ttggtccaat caaagaatat cttaaggtta 360

attagaacat ataaaacgta ggaattgaga cctttccaaa tctggctgtt atgttctnta 420

agattgttag cagtgggaaa atggatag 448

<210> 6074
<211> 490
<212> DNA
<213> Glycine max

<400> 6074

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tttatcgagg cgatagatct aaatatctgg gaagccattg aaatagggcc ttatataccc 180

accacagtag aaagagtttc aatagatggt agttcatcaa gtgaaagcat aaccatagaa 240

aaacctatag atagatggtc tgaagaggat agaaaacgtg tacaatacaa cctaaaagcc 300

aaaaacataa taacatctgc cctaggaatg gatgaatatt tcagagtttc aaattgcaag 360

agtgctaagg aaatgtggga cactcttcga ttaacacatg aaggaactac agatgttaaa 420

agatcaagga taaatgcact aactcatgag tatgaattat ttacaatgaa tacaaatgag 480

aatattcaga 490

<210> 6075
<211> 413
<212> DNA
<213> Glycine max

<400> 6075

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ctttcacatt gactagtgga gggagctttt caatgacatc aatttatgct ttgtccacct 120

ctatcccccg agcggagatc ttgtggccta acactattgc ttccttgacc ataaagtggc 180

atttctccca gttcagcacc agatttactt taagcaatca gtagcattta ttaaggcctt 240

ctccaatggg gagtgaatgg ctaggtaatg cataacgaga tcgacttctt gctctattgc 300

ctgcaccttg aagcgtgtga tactatcact gggatgttat tttgcttcaa taagttgaag 360

agactttcta ttctcccact catttctaag ttccattcct atgtcctaac aca 413

<210> 6076

<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6076

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atctgagaag gtgaaggtag agaaggtttc aacagaagaa aacccgacta atatgttcac 180

aaagtccctc tctagtgtca agttcaagca ctgcttggac ttgataaatt ttgaagatgc 240

ctaaagcaga ttggtagaag tgcagccttg aatcacaagg tagacacttg ctgatttaga 300

gtcaaggtgg agatttgtgg tgtgtgactc anaatcacaa atgacacaag tgagaagact 360

ttaaagtaat gatgtcataa ctgttttcag ttattataac tgaattggtt ttggcaccaa 420

agcatagcta gagtgtacat atatattctn gatcatgtaa tgcaat 466

<210> 6077
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6077

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gtatgtatac atgattntga tgatgtcaaa gaagaatcta acaaggctgc ttcaaatgat 120

aagtatttgc ttcaagaata attcaagatt gcttcaacaa acaaagcctt gtttcaagat 180

tcactaaaga ccaagccttg ccttaaaaca aagtgctttc aagacatgca aggctctggt 240

aatcgattac caggaagtgt aatcgattac cagaagacag ggttgagaaa tagctgttga 300

aaaatgtttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360

accagcaatg gaactttgga aattcaaatt caaaagtcat aacctttcan attataactg 420

tgaaattgat tacacaaaca ttgtaatcga ttatcagtgg aaag 464

<210> 6078
<211> 459
<212> DNA
<213> Glycine max

<400> 6078

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ttaaataaaa tgacaactct aaaacaagat aataaatcta aattcaaagc taagacagaa 180

cgtgtgtaat catttaaata aattcataaa tatataatct cgaagtgttg taataaaata 240

ctaaaattac agcaataatg gcatttatgt agataatgaa atttagtaaa tataaaataa 300

tttttgaata acttcaaatg taaccataat cattaggtgt gttaaataaa aaaaaaacct 360

aatttatgta attactctaa agaacctaat ttatcatggc agtataaaca ctatagaaac 420

atccaacacg ttccataatc tatattatga taagtattt 459

<210> 6079
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6079

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acctcataat aattaagaag agagggttga attaattatg aacgggtctt gactaattaa 180

aaaatttatc cttcttaatg ttgctagatt caatttggct ttactactaa gttatgagaa 240

agtaaagaac agaaacaata acttagacaa aagtaaagca gaaataaaaa gtacacaacg 300

gaaagataaa aagcgtagga aagaagaaga caaacacaag atttatactg gttcggcaac 360

aacccgtgcc tacatccagt ccccaagcaa ccaccggttc ttgagatttc caataacctt 420

gtaaaatcct ttacaagcaa agatccac 448

<210> 6080
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6080

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aaaaggagaa agttaaggga ggaaaaaatg aaaacaaatg ctgacaaaac aaaaaagttg 180

atattacatt tcagagaaat tcagtatccg acctagctgg cgaatgtggt gatggtgaag 240

aaatcaagag ggagtggaga atgtaggtcg acttaacaaa tttaaacaaa gcttgcccta 300

aggatttgta tcccctacca aacatcaatt gtctagccaa tagggcctcg ggttaccaat 360

tacttaattt catggatgcc tacttggggt ataatcgaat caagatgcat cccatggatg 420

aggacaaaac aactnttcat cgtggacaat ccaatta 457

<210> 6081
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6081

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aaaatgatgg gaatatatta gacactaact taaaagcaac tcataacatt aagccattat 180

aaattcaaca taccgtacat tgataattca acatagtagc ctctcatatt ttatattatc 240

ttcataatgt gctcaacatt ttcaaatgcc gtacaatgta taggagataa attgaataaa 300

aatagaagaa tcagataggt tgcagtgaaa aggtcttttc ttgaagttat tgttggagta 360

ttatacctag caaattgcta tacgtacaat gaatcatgaa gtcaaatgtg caatagagga 420

taaccaccat ctgtatgtag aatcatgtta aatattatat atggatttct gagagat 477

<210> 6082
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6082

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agcaaatgga tctttatgaa caagttgtta ctccaatagt taatgaagtt ctagagggat 180

ttaattacac tatattcgcg tatggtcaaa ctggtacggg aaaaatctac acaatggaag 240

ggaaatgtaa aaaggccaag gtatgcttta gtgttttgat gttatccaca cgcagattaa 300

tgagttaggt tagtgacttc atttgagtat tgtactacag agtggtccta atggaaagtt 360

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ccagaatgtt gtgtacaat 439

<210> 6083
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6083

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tttgcccttc tgtgcaacaa tctgaagcaa ttgaacagcc tgaagcttat gttgcaaaca 180

tctacaacag acctcctcaa cctcaacagc aaaatcagcc acaacaaaat aattatgacc 240

tctccagcaa caggtacaat cccggatgga ggaatcatcc cattcttaga tggtcgaatc 300

cttcacaaca acaacaacaa caacaacaga cttattttca aaattctact ggcccaagca 360

gaccatacgt tccttcacca atccagcaac aacaacaata gcaacagccc c 411

<210> 6084
<211> 301
<212> DNA
<213> Glycine max

<400> 6084

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catatcagat cgatcttgac gggcattgaa accatgcttc gtgttgcctt gagatgctaa 180

aaagcatacc aatacagtgt cacaaacatt tctctccaca tgcatgacat cattacaatg 240

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g 301

<210> 6085
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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aggtcaatga gaataaaata tgtttttttg ttttatatgt agatgatatt ttacttgcag 180

ccaatgatca gggtttgcta catgaggtga aacaacttat ctctaagaat tttgacatga 240

aggatatggg tgatccatct tatgtcatcg gcattaagat tcatagagat agagttcaag 300

gtattntagg tctatcacag ganacctata ttaacaaaat tttatagaga tttcagataa 360

nagattngtc atcaagtgtt gctcccatta tg 392

<210> 6086
<211> 179
<212> DNA
<213> Glycine max

<400> 6086

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aattatatgt tgcaatatcc agagtcatat taaatattga tgtaaacgct aatatatga 179

<210> 6087
<211> 385
<212> DNA
<213> Glycine max

<400> 6087

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tcaaactgct gcccgcgaat ctcctcaaga atttgataaa gaggagtccc caaaggcgca 180

tgagtggcaa gaagcttcct cgctggagtc ctaatgggca catatgatgc ggggggatcc 240

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cttgtaaagc cccaagggtt ggagt 385

<210> 6088
<211> 485
<212> DNA
<213> Glycine max

<400> 6088

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aatttgcgca gtataggaga aaagctgcat atgaggtgat gggccattgt gtatgcatgg 180

ccaaaggtgc tgcccaaaca cttaaattaa aggtgactaa aaaggaacat atgtatctac 240

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gaagtcgtaa gaacataatg agagtatttt ttttcagtgt atagctgtgg cagtaacaat 360

tgaagttggt atacatggca tctaccatct tgcttgtgac tttcctcgcc ttcttgatgc 420

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<210> 6089
<211> 534
<212> DNA
<213> Glycine max

<400> 6089

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gaacaaaatt caatggcttc ttctacaatg tatctttcaa caatagatgc ttccgggcga 240

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atgatgtcaa agaaagtagg gggaaaatac atctccaact ggcacagtat tattgcggcc 420

tcatttccag gtgatcaaac ttgacaggat caaggacttt gctacatatg tcatggaaga 480

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<210> 6090
<211> 511
<212> DNA
<213> Glycine max

<400> 6090

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tggcccaagc agaccatacg tccctccacc aatccagctg caacaacagc aacagcccca 240

gaaacagcaa acagttgagg cccctccgca accttccctt gaagaacttg tgaggcaaat 300

gactatgcaa aacatgcagt ttcaacaaga gaccagagcc tccattcaga gcttaaccaa 360

tcagatggga caattggcta cacagttaaa tcaacaacag tcctagaatt ctgacagatt 420

accttctcaa tctgtccaga atcccaaaaa tgtgagtgtc attacattga ggtcgggaaa 480

gcagtgtcaa ggacctcaac cagtagcacc t 511

<210> 6091
<211> 592
<212> DNA
<213> Glycine max

<400> 6091

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taaaactttt tgcatttgat ctttcttgct ttcctttaag ttttatctaa ccaaagggtg 180

tgaatttgtt tttagattta aatagatatc tcgtgttttc taaaaacatt tttacatcat 240

ctaatagttt ttttgaaaaa tctataatat gctctttaca aagttttatc agatgaaaac 300

tttgttttaa gtgaaaaaag attttaaaat gtataaaatc agaattcaat ccccatttgt 360

gatagttgcc tttacattaa ataaaaagta tgaaaatttt agatagataa taaaagctgt 420

agtttaacat tttgttttca aaattcattt acctttttaat ggttataaat atgaataata 480

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taccctctta cctttgagaa ctttaaccct tggagaaaaa aagcccaaac tt 592

<210> 6092
<211> 475
<212> DNA
<213> Glycine max

<400> 6092

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cccatcttta atggagtggg ttaccactac tggaaaaccc gcatgcaaat ctttatagag 120

gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180

gccggaagtg caacaataga aaaacctata gcagattgga ctgaggaaga aagaagatta 240

gtacaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300

tttagggttt caaattgtaa aagtgctaag gatatgtggg atacactaca ggtaacacat 360

gaaggcacaa cagatgttaa aagatctagg atacacactt taactcgtga atatgaactt 420

tttaagatga atgtaaatga aggtatacca tacatgcaaa agaggttcac acaca 475

<210> 6093
<211> 496
<212> DNA
<213> Glycine max

<400> 6093

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gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc 180

atatcagcta gatcttgacg ggtattcaag ccatccttca tcttgccttg aatgttaagg 240

agcgtcccaa tgacactatc acagacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatatg 360

caactttgac ttttatcctt cttttgggtc ttcccaaata cagtattcag gtgttcaacc 420

cgctgatata cctgctcacc agtcaacggt atcggcgcaa tataatgctc ttgacttcca 480

ttaaaagctt ttctca 496

<210> 6094

<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6094

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ctatacgaga catcttgcca aacaaagtct agttcaccat aactcacctg tgctttttct 120

tccatgctat atgtagcaga gtgattgatc cagtaattgt tgatgagttg gaaaatgagg 180

cctgaattat actgtgccag ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcacacaaa tcaaatgttg tggtcctgtt tatctacggt 300

ggatgtaccc gattgagcga tacatgaaga tcttaaaagg gtttactaca aatttatatc 360

gtgcggaaac atctattgtg aagaggtaca tttgcaaaag aaatcattga att 413

<210> 6095
<211> 434
<212> DNA
<213> Glycine max

<400> 6095

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actccattaa gattccttgg gtgaggtggg acatagtctg cctacctaag agtaaaggtg 120

ggttagggat caaagatttg attaaattca acgaggcttt gcttgctaaa tgggggtggg 180

agttggcaaa taatcagaat cagttgtggg ccacaattct attgtgtaga tatggtggtt 240

ggagggattt gatttctcat aggaactgca gtttatactc ttcttggtgg aaagacctca 300

acgctatttt caagcagcaa catagcaacc acaatgtgta aaaatagctt tattttgccc 360

ataggtaaag acggtccatg gaatacaaac caagttctta ttggcttgac aaccaaaaaa 420

acactcattg gaaa 434

<210> 6096
<211> 516
<212> DNA
<213> Glycine max

<400> 6096

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tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacatttg aaggaatttc 120

atattgtctg ctccaccatg aaacccccag atgtccaaga ggatcacata tttctgaagg 180

cttttcctca ttcattagag ggagtggcaa aggactggtt gtattacctt gctccaaggt 240

ccatcacgag ctgggatgac cttaagagag tattcttaga aaaaaatttc cctgcttcca 300

ggaccacagc catcaggaaa gatatctcag gtattagaca actcagtgga gagagcctgt 360

atgagtactg ggagcgattt aagaaactat gtgccagttg ccctcaccat cagatttcag 420

aacagcttct tctccaatat ttttatgaag gactcagtaa tatggagaga agtatgatag 480

atgctgccag tggtgggacc cttggagaca tgactc 516

<210> 6097
<211> 527
<212> DNA
<213> Glycine max

<400> 6097

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taggatatct tgtcctattc tttatatagc tttatgatta cccaattgat tcaagaacta 120

agggcaaccc tgcatattcg cgtggtacca tggactatta tataaaaata tttctgatca 180

tcatcaataa gaaaaataca gatattgttg ataattaatt gaacaatagt atattaaaat 240

caaataaata tcttgtgtca caaatatact gaaagcgcac tcaattcata ataataaagc 300

aatcaaacgt acaatttatt ggtacaagag ataagagaaa gacacacatt ataatcatag 360

ataaattttt acagcatgaa acaagggaat agaacacatc aatttcacaa tttcacatcg 420

gaatatcaat tggtctggca aaaacagggc tttccaaaat taaaagccag agaacataat 480

tgaattttat aaaacatcca aaaataaatc caaattgatc cctatag 527

<210> 6098
<211> 588
<212> DNA
<213> Glycine max

<400> 6098

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agtgttaaga gaagaaatta gcacaccaat agaagtattg agttatatta aaactttaga 180

ttcttttcca aatgtttaaa ttgcatatag aattttattg acaatccctg taacaggtgc 240

tattgctgaa agaagttttt caaaattaaa attgcttaaa tcatatctaa aatcaacaat 300

gttacaagat agattgaatg agttagctat tttatctatt gaaagtgaag tggtagaatt 360

gcttgattat aaaactctga taaatgattt tgagcttaaa aaactaaata ttaatataaa 420

aattgatatt ttatattata tactaagtct cttttaaaat cttataagaa aaagacccct 480

ttaacatttc ttcctaggcc ctaaaaattt ggacatggcc tgtgggttcg atcgacttga 540

aaaattttca attttttttt taaagaattc ggttttattt atttgggt 588

<210> 6099
<211> 403
<212> DNA
<213> Glycine max

<400> 6099

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gctagagctt agctacacac cccctataat agctaagctc acccccatga caaaaaacat 120

gaaaatacaa aaaaagtcct tactacaaag actactcaaa atgccccaaa atacaaggct 180

aaaaccctat actactagaa tggccaaaat acaaggccca gacgaaggaa atacctattc 240

taatatttac aaagataagc gggctcatac ttagcccatg ggcttgaaat ctaccctaag 300

gctcatgaga accctagggc cttcccttgg atcgctagcc aatctacttg gagtcttcta 360

cccaatgccc ttgcggggta ggattgcatc atacacctta tgc 403

<210> 6100
<211> 203
<212> DNA
<213> Glycine max

<400> 6100

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tctgcaaaag ccaaatgaga tagctgaata cttgcacagt tgggatgaaa tttaaaattg 120

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taatgggaga gaggatcccc ttg 203

<210> 6101
<211> 384
<212> DNA
<213> Glycine max

<400> 6101

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tcccttatca acaacaacag cagctgctcc ttcttcaaaa tgctgctggc cccaagctga 120

ccatactttc ctccaccaat ccagcaacag caacaacctc aaaaacagac aacagttgag 180

gcccctccac aacctttcct cgaagaactt gtgaggcaaa tgactatgca gaacatgcag 240

ttttagcatg agaccagaac cttcattcag agcttaacca atcagatggg acaattggct 300

acccaattga atcatcaaca gtcccaaaat tctgacaagc ttgccttttc aagctgtcca 360

aaattccaaa aatgtcagtg gcat 384

<210> 6102
<211> 392
<212> DNA
<213> Glycine max

<400> 6102

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cacatcccca agagtcataa gggtaactac tctgattctt gtggagtaaa attcttgtca 120

atacgcataa cagaaataga ccttggtccg atgatttata cataaaggac atgaaaaata 180

gacaatacca tctttaactt atatattttg attgattaat atcttacata gggaatagaa 240

agaaaaaata gacgactttt tcctggaaat ccgcatagga aaaatacaca cttccctttt 300

tttctatcaa aacaatcaca attccttccc ttcccacatt ccaacacatt gaacatggat 360

cccaattcat tgcatttaca cagtttttaa tc 392

<210> 6103
<211> 466
<212> DNA
<213> Glycine max

<400> 6103

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ctatgcaggt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcaaag agaaatcaga aacctttgaa gtattcaaag 180

aattgagtct aagacttcaa agagaaaagg actgtgtcat caagagaatc aggagtgacc 240

atggcagaga atttgaaaac agcaggttca ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac agaatggcat agttgaaagg aaaaacagga 360

ctttgcaaga ggctgctaag gtcatgcttc atgccaaaga acttccctat aatctctggg 420

ctgaagccat gaacacagca tgctacatcc acaacagagt cacact 466

<210> 6104
<211> 374
<212> DNA
<213> Glycine max

<400> 6104

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gcccatacaa gatttgattg cgctactctc acagccaacc gagccattgc tttggggtct 120

aacaccgcct ttgatgggtt gctcaccaat ggcacaagca cctcccgtca catcaacaaa 180

agtgtgagct gtaacagcaa catcagcaat gtgaatctgc aaaaggccaa caaatatgcc 240

gtcgtgccac tataccacta acacacctat caacttttga tgttaataaa cgcttttaac 300

aaacagacgg ataactcaat acccttttta tggaatctat cacaaaaatc ccaaggggca 360

atattaagtg ggtc 374

<210> 6105
<211> 510
<212> DNA
<213> Glycine max

<400> 6105

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tattgaaaca agttgttcaa tagactgcaa aacctttttt tttttgtctt tattaggatt 120

gaataatgca ccaagtttat tgttattgct gatgtgcata gatgttgaca gggctgatat 180

ttggtctttt gggattacgg cacttgagtt ggctcatggc catgcaccat tttcaaaata 240

tcctccaatg aaggtattta catcccgtgg ttgttcagag acaatgtcta gacacatgtt 300

aacattggac cgattgaagt tcatgtgata taatttgtaa taaaagaaaa agagagttca 360

ctttttattt catgtatagg ttcttctaat gacaatgcag aatgcccctc ctggacttga 420

tgatcgagat aaaaagttct ctaaggtatt gctgttcttt ctttatgcac tgttacacaa 480

gagtcatcat tatgatactt atagttttat 510

<210> 6106
<211> 411
<212> DNA
<213> Glycine max

<400> 6106

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ttcattggtg tgctttcaga aacactagaa gaggcagtac catgaagtac tcgggaactg 120

tcttgattag atgaagctct aggagtggat cgagctgaac cataattact tctgtcctgg 180

tgttgagaag agctccttgt gtcaaactct tttggaccct tttcaacctt tgtgagcaca 240

gaaatatctg atccactctc aaatcctgga tggcccaaaa tgcctttcaa ttccatatag 300

cctgttgaat aattgggatc acccacaaca tttggaaagg catgctttgc tgagattcac 360

cctatctctc attaactcat gagcgtattc ctcaccactc tgtgtggagt a 411

<210> 6107
<211> 378
<212> DNA
<213> Glycine max

<400> 6107

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actgggttcc caccaatcat acttacaatg ttgccacatg ctcgggtgaa ctatataaag 120

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cttgcaacct tgtgtcggag gcctgaagct acacatcaac gtaccaaatt acgaacgtta 240

gaacgagtca cgaccacaat taagactatg gctcgaaacg aggagaggcg gtggaacaca 300

ggtaaacatt gcaccatggc aaaatcacaa ggtatcttct atgtcctata aaaagcccta 360

ctcacaagcc cacgaccc 378

<210> 6108
<211> 538
<212> DNA
<213> Glycine max

<400> 6108

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tatctatatc tccatgaaaa ccgtttagct ggaagaatac caccggaatt gggcacactg 120

caaaatcttc ggcacttgta attaatcaaa tcattttgtt aatctcctat tgcagagtac 180

actatttatc ttactcaatt gttcctcatt ataattataa tactgttatg cttatagga 240

tgctggtaac aatcatttag tgggtaccat aagggaactc attcgtattg aaggttgctt 300

tcctgcacta cgcaatctgt aagttattgc tggtgaatta ttttcctcca tatagttcat 360

ttgatcttaa ataaaatgca ttggtctcta aatattaatg agttttgttc tgtaaccagg 420

tatctaaaca ataattattt actggaggaa tacctgcaca acttgctaac caaccagtct 480

tgagatcttg ggagtgtttt tttttttctt tccttgggac cacttatcat tctcctcc 538

<210> 6109
<211> 497
<212> DNA
<213> Glycine max

<400> 6109

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cgaataaatg ggaacatgcc agtttcggcc gaaacgaaac atcggttgag ctcgcacgaa 180

aaaacctagc cgacctacat tgtaagtttt ttatgcaaca ccgaaaaaaa caaaatttcc 240

cctgccgtaa gaaaaaacat tatcggccag cgagcgcggg acttgaaatt caagctccaa 300

aaactaaccc aaggcaacaa gggggttgag gagtatttca aggaaatgga tgtgctcatg 360

attcaagcaa atattgaaga agatgaggag gttactatgg ctcgatttct taatgggttg 420

actcatgata tccatgatat tgttgagctg caggaagttg ttgaaaggat gaattgcttc 480

acaaagcaat ccaagtt 497

<210> 6110
<211> 444

<212> DNA
<213> Glycine max

<400> 6110

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aagagtgacc 240

atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac aaaatggcat agttgaaagg aaaaacagga 360

ctttgcaaga agctgctatg gtcatgcttc atgccaaaga acttccctat aatctctggg 420

gttgagccat gaacacagca tgct 444

<210> 6111
<211> 448
<212> DNA
<213> Glycine max

<400> 6111

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ataagagcta atatacaatc agatacctga aagtgataat ttatgttgct atgatcccta 120

acaatgtata attagtccct gttagattac atttatcttt acatgatctt gtatatatta 180

ttacacaaaa acttatgatt ctgattgata tgtaattacc taataatcag taattgattg 240

atatgtaatc aatattgatt ctgatttctc cattataaat aaagatgaga tgtggtcatc 300

taagacacaa aattacagta aaactaaaac actgctatat ggtatcaaag cttaggttat 360

tcttgacaga ggaataacaa aattcgtcct ccacaaccta ctgttccaga tggacctctc 420

tgcttgtcat cctatccagc aacctatt 448

<210> 6112
<211> 449
<212> DNA
<213> Glycine max

<400> 6112

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gaagcctata tctatgctag gaggcagtat atcatcgata tataatacca aaaatatgta 120

tttactcata ctgaacttat gatatacaca atcttcaact acatttgcct tgaaaccata 180

tgaggtaatg acttgatgga acttgtaata ccattgacgg gaagcctatt tgagaccata 240

gatgaatttc ttcagtttgc ataccatgga ctttgagtca cctaacacaa attttttttgg 300

ttgcaccata taaatcgttt cttcaatgtc accatttaga aacatagtct tgacatccat 360

ctgatgtagc tctaagtcaa aatgagctac cagtgccatt atatttctaa aagaattctt 420

tgaagatact ggagaaaaag gttttttta 449

<210> 6113
<211> 454
<212> DNA
<213> Glycine max

<400> 6113

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aaaatctctt caaaaactca gtctgagaga ttgttcaagt cttgaggagt tttctgtgac 120

ttctgagaac atgggatgct tgaatttgag agggacatca ataaaagaat tgccaacatc 180

actttggcgc aataacaagc tttttacttt ggttcttcat tcctgtaaaa aacttgtgaa 240

ttttcctgac agaccaaaac ttgaggatct gcctctcatt ttcaatgggg tatcctcctc 300

tgaaagtcca aatacggatg aaccatggac tttgtcatcc ttagcagatt tatctctaaa 360

aggaagcagt attgagaatt tacctgtaag catcaaagat cttcctagtc ttaaaaagct 420

taccttgact gagtgcaaga aacttcggtc ttta 454

<210> 6114
<211> 338
<212> DNA
<213> Glycine max

<400> 6114

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ataactattc acacggttgt ccgattcggg cgcataatat gtcgagaggc tcggaattga 120

acaacggaag ctcttgagaa attcaattgg tataactttt cactcggatg tccgattcag 180

gcaaatcaca tatcgagacg ctcaaaattg aacaacggaa gctcctgaaa aattcaaatg 240

gtcataactt ttcacacgga tgtccgattc aggcctataa tatatcgata cgcttgaaat 300

taaacatcgg aaactctcgg gaaatgcaaa tagtcata 338

<210> 6115
<211> 367
<212> DNA
<213> Glycine max

<400> 6115

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tttaacagcc ttacgcattt acttgctgtc ttttttcaga atccttaaaa aagtggttca 120

caagatagtc tccattcaga gaaactttct ttggggaggt ggcaatgagg caacaaagat 180

cccttgggtc aagtgggata cagtctgtct atttatgaat aaaggggggt taaggattaa 240

agacttgaac aagtttaatg aagccttggt tggcaaatgg ggctgggagt tcgtgaataa 300

ccagaaccag ctatgggcta gaatcttgat gtctaactat ggtggatgga atgctttatt 360

ctatggc 367

<210> 6116
<211> 567
<212> DNA
<213> Glycine max

<400> 6116

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tgaggtctga actgtgaagt gtaatttctc aaataatcaa agttaaaaac atacacacac 120

aaggcctcta tttatagctt aagagtcaca caaaattgga aggaaatttg aattacaatt 180

taaatttcac ttgaatttga atttgtggag ccaaatttgg agccaaaatt tcactaatta 240

tgattagtga atttcagcta tggttcagcc cactaatcca agatcaagtc caagattctt 300

cactaagtgt gcttagatgt catgagatat gtaaagcatg aaggatatgc acaaagtgtg 360

actatatgat gtgacaatag aatgtaacaa gcaaatgctc acctcccccc taagatggtc 420

cataatttaa ttggattgag cttctcctaa ttcaattaaa attctctctc aacacacaca 480

ttcaatagtg cacttaatgc atgtgaaatt acaaaattac tcctaatacc aaaactaatt 540

ttagtgccct aaatacaagg gctgaaa 567

<210> 6117
<211> 445
<212> DNA
<213> Glycine max

<400> 6117

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aataagcctt tagatattgc aagacaatgg taaagatttt agactaaatg gaagaaatgg 180

acaaaatgaa aggaaaatta cttggaatct gatatgaaat gggtgtgctg atagctcatc 240

cattgtttcg gcatataaaa ataactgggg cctccaaaac tgttgcaaaa tttaaggcag 300

catggaaatg tccctatcat tacacaatgc attagaatat aacaagcaaa ttttttttct 360

taagttatca aagatctttg aaaatgattg ctgatgaaag gaaaaaacat tgtattgcat 420

ccatttaaaa ggatgtggcc actgg 445

<210> 6118
<211> 461
<212> DNA
<213> Glycine max

<400> 6118

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ttttgggcct cccatgagag tctgaacttt taaagtggaa ttctcaaatg atcaaagttg 120

aaaaaatgta cacacatgac ctctatttat aaaccaagtg tcacacaaaa ttggaggaaa 180

atttgaattt ctattcaaat ttcacttgaa tttgaaactg aaatttgtgg agccaaataa 240

gattggcgta tttctccaga gcaggttggt gtatttctct gcaaattcaa ttagcaataa 300

attcaattag tgtgttggat aaatgacaat tgaaactcca aagcagttag tgtatttctc 360

tgcagatttg cttataagag tgatcatatg aactcttgga ccgttacaca atcttctcaa 420

gtatggggag taatttattt tacatgtaca gtttaaaaaa a 461

<210> 6119
<211> 453
<212> DNA
<213> Glycine max

<400> 6119

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tgtaaaaaat cttctacact tggagtgata acatgcagtc ctcttgtacc cttaccgcct 120

actctgtcgt catggcgata ctcaggaagg ccaacaggtt tagccttttc aatgtagtct 180

gaacaaaatt caatggcttc ttctacaatg tatctttcaa caatagatgc ttccgggcga 240

tgtagattct tcgtataccc ttttaagatc ttcatgtatc gctcaaccga gtacatccac 300

ctcaaataaa caggaccaca acatttgatt tctctgacta gatgaacaat taagtgaatt 360

atgatgtcaa agaaagtagg gggaaaatac atctccaact ggcacagtat tattgcggcc 420

tcattttcca ggtgatcaaa cttgacagga tca 453

<210> 6120
<211> 371
<212> DNA
<213> Glycine max

<400> 6120

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cagaacaatt atgacctctc cagcaacagg tacaatcccg ggtggaggaa tcatcccaac 120

cttagatggt cgaatccttc acgacagtag caacaacaac cttattttca aaatgttgct 180

ggcccaagca gaccatacgt ccctccacca atccagctgc aacaacagca acagccccag 240

aaacagcaaa cagttgaggc ccctccgcaa ccttcccttg aagaacttgt gaggcaaatg 300

actatgcaaa acatgcagtt tcaacaagag accagagcct ccattcagag cttaaccaat 360

cagatgggac a 371

<210> 6121
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6121

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ttacggatca agtgaacaaa gagaaactga aagtggagta ctgctacaca tttgatcaac 120

ttgctgatat tttaaccaaa cccctcaaag gggagaggtt taaaatgtta aggggcataa 180

ttggcttgat gaacttagga gatcagaatt aagggagggt gtgagagttt aattttgttt 240

tgtgtggggt agatttgttt gtgctctgaa tataagagag agtaacagaa ttttaaaatt 300

ctgttataag tactagccta agtgtgaagg gttattactc tgtttttgct tgtataaaag 360

ggcatacata catcttaata aagaggattt attcattcta tcantttcag tctctagtgc 420

tattcctagt angtgtgcaa ttctg 445

<210> 6122
<211> 383
<212> DNA
<213> Glycine max

<400> 6122

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caaatatgcc atgtgcttcc atgttcaagg ttgaacatct cgatatatta tgcacctgaa 120

tcgggcatct gagtgaaaag ttatgccata tgagttagcc gagagcttcg ttggtcgatt 180

gcgagcgtct cgacatatta ttggcctgaa tcggacatcc gagtcaaaag ttatggcagc 240

ttaaactctc catgtgcttc catgtttaat tttgagcatc tcgatatatt atgcacctga 300

ataggacatg tgagagaaac gatatggcgt atgagagatc tgagagcctt cgttgcttat 360

tttcgagcga ctccatatat tat 383

<210> 6123
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6123

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aaagttatga ccatttgaat tgctcaagag cttccattgt tcaatttcga gcgtctcgat 120

atattatgcg ccataatccg acctgcgagt tagaatttat gaccatttga atttctcgag 180

agcttccgtt gttcaatttc gagcgtctcg atatattatg tgcctgaatc ggacctccga 240

gttggaaggt atgaccattt gaatttctcg agagcttcca ttactcaatt tcgagcatct 300

cgatatatta tgtgctctaa tcggacatcc gagtgaaacg ttttgaccat ttgaatgtct 360

cgggagcttc cattngtcaa tttcgagcgt ctcgatatat tatgcgcctg attcggacat 420

ccgagtgaaa agttat 436

<210> 6124
<211> 297
<212> DNA
<213> Glycine max

<400> 6124

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acttcttctt ctagtgagcc attaagaaat gcagatttta catccatttg gtgtatttcc 120

cagcaatcgt agctagccat tgctattaca agtctcactg tttccaacct agcaacaggg 180

gcaaatagtt catcataatc cagaccttgc ttctgcagaa atccctttgc aaccagtctg 240

gctttgaact ttgttacttc tcctctagaa ttcaacttag ttttgtagac ccattta 297

<210> 6125
<211> 331
<212> DNA
<213> Glycine max

<400> 6125

agcttgtgcc ttttcacgtc tggaatgtga atgttgccta tacatccaaa gacccttagg 60

tgctttgttg atggcttctt accgttccaa gcatcaattg gagtcttgtc ttttacagac 120

ttatttagac atctgttgag tatgtaaaca gcactgtaga ctgcttcagc ccaaaatgcg 180

ttaggtagtc ccttatgctt gagcatcgat ctagccattt ctataactgg gcgattcttt 240

ctcttggaca ctccattttc gtgaggagaa tacgcgactg taagttgtcg ctcaatacca 300

tcatcctcac aaaatctttc aaactagcga g 331

<210> 6126
<211> 401
<212> DNA
<213> Glycine max

<400> 6126

acaatggcag tgcaatctta ctaatatcct gtatgaatct cctataaaaa cctacatgtc 60

caagaaaaga acgcatttcc tgcataaaag cgaggtaagg tagagaagta ataacatcaa 120

tcttggcctt atcgacctca atacctctaa tagataccaa atgccctaag attatatgta 180

accacatggt acaaaaacta ttgttaagag taaagaccct tcccgtggcc tttggacgtc 240

tagtttggtc attcagaccc ccaccattct gcttcttctt gggatatagg caatctcttt 300

gaatatgcct tttctgtctg caattgaaat aggtcatgtc ttcatcgaca taatttgagg 360

agatgtgcct tggcttacca cacttgtaac aagtgatctg a 401

<210> 6127
<211> 406
<212> DNA
<213> Glycine max

<400> 6127

gcagcttaac attaatttca gcgtctcgtt aaatactgga ctcaatcaga catcggagta 60

aaaagttatt gtcgtttgaa ttgcctcaga ggttcaacat tcaatttcga gcgtctcgat 120

atatttcggg actcaatcag acatccgagt aaaaagttat tgtcgtttca attggctcag 180

aggttcaaca ttcaattttg accgtcccga tatattacgt cactgaatcg gacatccaag 240

taaaaagtta ttgtcgtttg aatttgctca aagcttaaac attcaatttc gagcgtctgg 300

atatattacg ggactcaatc aaacatacga gaaaaatgtt attgtcgttt gaatttgctc 360

tcagcttcaa cattcaattt cgagcgtccc gattattacg agagtc 406

<210> 6128
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6128

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ttggagctgt gatccatgat tgcctaagag aagaccctca agcaaatcct ccattcttac 120

ccttttttcgg agccccatga atgaattgcg ttgtcattca tgtgtcttcc atttttgagt 180

ttggagctgt gttccatgat tgcctaagag aggaccctca aggcaatcct ccattctcat 240

ccttttccgg agccacatga atgaattgca ttgtcattca tgtgtcctcc actttngagt 300

ttggagttgt gttccctgan ttcctaagag aggaccctca aggcaatcct ccattctcat 360

ccttttccgg agccacatga atgaattgcg ttgtcattca tgtgtcctcc actnttgagt 420

ttggaagtgt gttccatgat ttcctaagag aggaccc 457

<210> 6129
<211> 444
<212> DNA
<213> Glycine max

<400> 6129

cgtgaacttg ccaaatctcc tttctttata ctaactctct tggtttcatc caaaggcagg 60

tccaaccaat acgtaacatc atcatcatca ttggaaccac cttgtggaag gttagagcca 120

tttggttcta ttgaactctc ccttatgaca ccctttcttt tctcaattag tactgctcca 180

ttagtgaaaa accaatccac agaggaaggg aggtactcct ccataggatg caagtacata 240

tatggggaat atgccttgat cattgcctta atttgggata aattgggcat gtaagaaaag 300

ctacccttgg tatttttcaa acaagaaata ggtaaagctt tggaattagt ccctcctcca 360

ctctgagcta cgaaagttcc tacactaacc ccttgagctt caatgcctct cttgattggc 420

ctaacatcat acacattgaa cctc 444

<210> 6130
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6130

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ctattttcag attggggatg cctctaacag caccttttgtc aatgattttc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcatcttct ttggaggata 180

gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtagcagttg tcctttgatc 240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattat gactntgtga 300

agtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360

ccttcaccag cagtactttg ttcagactan gaagtccatc atgaactagc tttcccattc 420

caatgatctt tcctttagag ccatc 445

<210> 6131
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6131

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ctttttcttc catgctatat gtagcaaagt cattgatcta gtcaagtttg atgaagtgga 120

aaatgaggcc gcaattatac tatgccagtt ggagatgcat tttccccctg ctttctttga 180

catcatgatt cacttgatgg tgcatcttgt cagagaaatc aaatgttgtg gtcctgtnta 240

tctacgatgg atgtacccgg ttgagcgata catgaagatc ttaaagggtt acaaagaatc 300

tatgtcgttc agaacatcta tta 323

<210> 6132
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6132

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aacacttggt ctattgttga tctgcctgaa ggtaagcaac caattggttg caaatgggtt 120

tacaagatca agcatcatgc tgatggatcc attgaacgat acaaggcccg tttggtggca 180

aagggataca ctcaactaga gggtgtggat tattttgaca ctttntcacc agttgctaag 240

cttaccacaa ttcgcaccct tctatctgtg gctgctatta aggactggca cttagaacaa 300

cttgacgtca acaatgcttt ccttcatggt gatctgcatg aggaagtata tatggatctg 360

cctcctgngt tcttactgcc tggttcttct tctaataaag tctgcanatt acataagtcc 420

ttatatggac tgaaac 436

<210> 6133
<211> 374
<212> DNA
<213> Glycine max

<400> 6133

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gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120

atttccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcctgcac tgccttggga 240

gagaggataa cagatgataa gctggtgaga aagatcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360

ctcattggtt ctct 374

<210> 6134
<211> 341
<212> DNA
<213> Glycine max

<400> 6134

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aaaagttatt ttcgttttaa ttggctcaga ggttcaacat tcaatttcga gcgtctcgct 120

atattacggg actcaatcta acatccgagt aaaaagttat tgtcgtttga attggctcag 180

agcttcaaca ttcaattttg agcgtctcga tatatgacga gactcaatca gacatccgag 240

taaaaagtta ttgtcgtttg aattgtctca gaggttaaac attcaatttc gagcgtctcg 300

atatgttacg ggactcaatc agacatccga agaaaaagct a 341

<210> 6135
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6135

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caatggaaga gtttacactg atgaatctag atgggggaaa gaaccttgca atgaattttt 120

cctccacctc ttcccaagtg ttgaggcttt tgtttggatg tgattaaagc catgttttta 180

ccttacctgc caaggagaat gggaaatctc taaggtagac aactttagca tcttcgttag 240

aagctcccat ggtactgcaa aattccatga aggtagacag aggtgtgtat ggatcttcat 300

gatccatttt agcaaaacgg tgtgagccaa tcagactgag aagtgttggc ttcaattcca 360

caaccttgtt gctgaaagga ggaatgactc tggtgttgta atgctttggt ccttgttgat 420

aagcatagtc accaagagtc ctncatggtg atcta 455

<210> 6136
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6136

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tgctcgactt acataaaagt ctgacttacg agcctattta aaagcttgct taaagacgtc 120

ttttattaat taattatttt aaaacctagt gaaatactaa ctaaaaaaag aaacttataa 180

aatttcgtat aaataatgta caaatctaaa aataattgat aaacaaaatt atattgaatt 240

caagtcgtta aagcacaaag tatataaaaa aaataaaaat agcataatat taaaaaatgt 300

atggattaga gatgatntac actaatata 329

<210> 6137
<211> 408
<212> DNA
<213> Glycine max

<400> 6137

tatgctgcat acatttatca tagacctcct cagcagcaaa accaacaata gcagaataat 60

tatgaccttt caagcaacag atacaatcca ggttggagga atcatccaaa tctaagatgg 120

acaagtcctc cacaacaaca acagcctgtc cctccttacc agaatgttgc tggtccaagc 180

aagccacatg ttcctcctcc aatacagcaa cagcagcaac aatcacaaca aagacaacca 240

acaattgagg ctcctcctca accttcctta gaagagttag tgagggaaat gaccatccag 300

aatatgcaat ttcagaaaga gacaagagcc tctattcaga agttgacaaa tcagatggag 360

cagatggcta ctcagttgaa ccaagctcag tcccaaaatt ctgacaaa 408

<210> 6138
<211> 391
<212> DNA
<213> Glycine max

<400> 6138

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tcgcatgtaa gttgatgcta attccttttt ctgctactaa cagataagtt acttattgga 120

aattatgttt tctttaatac ctttctatta atgatatttg gttacaacta cagacatgta 180

cacagtggaa ttccaaaaac gaggacttcc tcatgtccat ttatttttat ttttacatgc 240

caacaacaaa tatccatctc caaacgatat tgatcatatt atatcagcag aaataccttc 300

acagaaagat gatccagaac tctataaatt agtgcaaaat cacatggttc atggtccatg 360

tggaaatttg aggcccgcat ctctatgcat g 391

<210> 6139
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6139

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gtggccaaag atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120

atgtccaggt tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240

gagaggataa cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtggatgaa 360

ctcattggtt cccttcaaac ctttgagcta tgactctcgg atggagctga nnagaagagc 420

aagaacgtgg cgttcgtgtc caatgatg 448

<210> 6140
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6140

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gtcgagacgc tagaaattga ataccgaagc tctgaacaaa ttcaaacgac aataactttt 120

tactcggatg tgtgactgag tcgcgtaata tattgagaca ctcgaaattg attatcgaag 180

ctctgagcaa attcaaacga cagtaacttt ttactcggat gtctgattga ctcccgtaat 240

atatcgagac cctcgaaatg gaataccgaa gctctgagat aattcaaacg acattaactt 300

tttactctga tgtctgattc agtcccgtaa tatatcgaaa cgctcgatat tg 352

<210> 6141
<211> 303
<212> DNA
<213> Glycine max

<400> 6141

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ggccttgatt ttctcagggt ccacttggac cccatttcta ccaactacaa tacctaagaa 120

aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180

aaagactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240

taaaatatca tcataataaa caactacaaa tctacctatg agatccctta agacatgatg 300

cat 303

<210> 6142
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6142

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aacatctgaa agaattctca tattgtctgc tccaccatga aacccccaga tgtccaggag 120

gatcacatat ttatgaaggc ctttcctcat cttttatagg gagtggcaaa ggactggctt 180

tattaccttg ctccacggtc catcacgagc taagatgacc tcaagagagt attcttagaa 240

aaaatattcc ctgctttcag gaccacgacc atcaaaaaag atatttcatg cattagacaa 300

ctcagtggag agagcttata tgaatactgg gagagattta agaaactatg tgctagttgc 360

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atggagagaa gtatgataga tgct 444

<210> 6143

<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6143

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acgaagacac tgacaaaaac ttatcttctc ctttttggac aaagtatggc aggctggtgg 120

caagtaaatt ttcatcccat cagaccttgg atgcaactgt gatcgtatgc ccatatcagc 180

tagatcttaa cgggtattca agccatcctt cgtcttgcct tgaatgttaa ggagcgtccc 240

aatcacactg tcacaaacat ttttctccac atgcataaca tcaatacaat gtctaacgtc 300

aagatcagac cagtacggaa gatcaaagaa tatggacctc ttcttccata tgcaactctt 360

acttttatcc ttctttttggg tctttccaaa tatagtattt aagtgtngaa cctgctgata 420

taccagctca ccaatcaacg gtatcggtgc aata 454

<210> 6144
<211> 396
<212> DNA
<213> Glycine max

<400> 6144

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agacctccaa tctttaatgg agagggttac cattactgga aaacccgaat gcaaattttt 120

attgaggcaa tagatctaaa tatttgggaa gccataaaaa tagggcctta tatacccacc 180

acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagaataac tatagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac tatacaactt agaagccaaa 300

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gctaaagaaa tgtggaacac tcttcgataa cacatg 396

<210> 6145
<211> 308
<212> DNA
<213> Glycine max

<400> 6145

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cgctcaagag caaactgaat ctgattttca tgaacatcct tgggagcaac agacatggtg 120

acgacattcc gtgacagtaa gtacgcacca aaactagcaa caccacagcc aacatcaaga 180

accaccctta tatgcttacc aaaagtaata tcaggaatca tctacaatca caaatgtcca 240

acatcagatt cctataagat gcacctacat tctcctaaca aaaaggtgaa accaaaacca 300

aagcatac 308

<210> 6146
<211> 402
<212> DNA
<213> Glycine max

<400> 6146

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cgatcatagc ctccaggtct tttgtttctt cgatgatggt gacaatatat tcacaattta 120

gatctaacga tctaagaatt ttctccataa tgtttacatc atcaagcttt tcaccacttc 180

tcttaagatg attggtgatt gctaagactc tagagaaata gtcggagatg acttcacctt 240

ctctcatatg caaggtttga aacttaactc ttacactatg aagacgtacc ttcttgatcg 300

gatctgctcc cttatacgag ggttgaagct tctcccaggc ttctttcacc gactttgctt 360

ctgaaacctt cttgaaagca tcatcatcta atccttgata ga 402

<210> 6147
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6147

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agttccaaag aaaagaggaa tgacagttgt ccaaaacaag aagaatgact tgatacccac 120

tcggactgtc actggctggt gaatatgcat caactaccgc aagctgaatg aagccacaag 180

gaaagaccac tttcctctgc ccttcatgga tcagatgctg gaaaggcttg tgggacaggc 240

atactattgt ttcttggatg gatactcatg ttaactaaat tgtggtggac cccagggatc 300

aagagaagat gacctctaca tgccctttg gtgtctntgc ctacagaaag atgccatttg 360

ngttatgtaa tgca 374

<210> 6148
<211> 422
<212> DNA
<213> Glycine max

<400> 6148

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tccagttgag ctatatgtag ataacaaata tgcaatcaag ttagccaaac attcaattgc 120

acatggaaga tcaaagcaca ttgaaaccaa atttcatttc ataagagacc aagttgcgaa 180

ggggaaattc aagttgaagt tctgcagatc aaaagatcag cttgccgata tatttaccaa 240

gtccttgaaa tctgaaacct tcaaaaacag agaagcatgc tgaatattgg tgatagcacg 300

acactagctt aaggggtgt gttaaacatt aagaataaat aagctaggta ttgaatgata 360

tagatattgc cacgtgtaat aagtactctc ctatatgctg aaccatattg agtattaact 420

at 422

<210> 6149
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6149

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tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aatgccgaag 180

ctctgaggat tttcaaacga cgataacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgagaa gctcaaaatt gaatgacgaa gctctgagga tattcaaacg acaataactt 300

<210> 6150
<211> 400
<212> DNA
<213> Glycine max

<400> 6150

taagcctata gatgaagaca atcctattat taggtggtac ataaacacca agtacttcct 60

gcaggacaat tggcagagaa cctaggtatt gctactgtgg attggcgtga tgttaggtct 120

atttgcctac aaatttgtgc agtataggag aaaagctgca tatgaagtga tgggccattg 180

tgtatgcatg gccaaaggtg cagccaaaac acttatatta aaggtgacta aaaaggaaca 240

tatgtatcta ctttgttcta atgattgttg agacttagta gctttcataa gtcaataagg 300

taatgaaagt tgaagtagta agaacataat gagaagtatt tttttacagt gtataactgt 360

ggcagtaaca attgaagttg gtatacatgg catctaccat 400

<210> 6151
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6151

tttatccatg tcttcctatg gtggcgagct tcttcgttac tcatcttctc cttgaagtgg 60

catctctaat catatttctt ccttctccat tctacttcca ttcatcttca ggaagccaag 120

gattcctttg atgaaccaaa ggactccagt ggagctccat cacctgtgaa acatatagga 180

aaggatgttg agtcctaaga caacataaag canaagacgt tgagtcctat gaaacaaata 240

ggcgaggacg ttgagcccta tgaaaacata aagcaaatga cgttgagtcc tatgaaaca 299

<210> 6152
<211> 467
<212> DNA
<213> Glycine max

<400> 6152

acactataaa tctaagcttg tatctcctta cagatggcgc atgcatgatg acccctgtca 60

ctgtaaccgt ttagatttcc atacgctaga aagtcattag tggtacagaa aagcattgca 120

cgcatttcaa aagtctcctt gcaaaatcca tcaaacacta aaacccccctc gtcccacaac 180

tttctcaggt cttcaatcaa cggacttaga taaacatcaa tgtcatttgc tggctgtctt 240

gggcccaata tcatcataga aaacatcatg tatttttgtt tcatgcacaa ccaaggaggc 300

aaattgtaaa ttactagtag aattggccat gaactatgtt gagtgcttaa atttccatat 360

gggttcattc caccactagg tagtccaagc ctaagattac ttgcctctgt gccaaaatct 420

agatacaaac catcaatctt ctatcagtgg gagcaatcag ccggatg 467

<210> 6153
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6153

ngctaaccca tggaaactcc taatatctcc cacactntnt gttgtgggcc attcttggat 60

ggccttgatt ttctcagggt ccacttggac cccatttcta ccaactacaa tacctaagaa 120

aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180

aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240

taaaatatca tcaaaataaa caactacaaa tctacctatg aaatcccttа agacatgatg 300

cataagcctc ataaaggtgc tnggtgcatt agtgagccca aaaggcatca ctagccattc 360

atacaaacca aacttggtct tgaaagcgat tntccactca tcancccttt tagtcctgaa 420

ttggtgataa ccactttta 439

<210> 6154
<211> 421
<212> DNA
<213> Glycine max

<400> 6154

ctgggttcga tggccccaat gacatctatt ccccacatgg tataaggcca aggggcggac 60

ataacattca taggatgtgg tggaacattg acattgtccg cgtatgcctg acatttatga 120

catttcctta catgggcaca actatcgctt tccatagtaa gccagtaata accgactcta 180

aggatcttcc tggccatagc atgcccattg gcatgtgtcc catatgaacc cacgtggatt 240

tcctcaatca tgaagttcgc ctctttggca tctacgcatc gtaggagggt catgtcgtgg 300

tttcgtttgt acaggatggt accactcaca aagaaaccag tagccaatct ccttaacgtt 360

cttttgtcat tgtcagaaat ccccggtgga tattcttttg tctcaacata ttgcttgatg 420

t 421

<210> 6155
<211> 142

<212> DNA
<213> Glycine max

<400> 6155

aagctctcga catattcata tggccggagc tttccacacg gatgtccgag tctggcgcat 60

tatatgtcgc gaggctcgga cttgaacagc agaagctctt gccatattca attggtcatg 120

actctccaca ctgatgtccg at 142

<210> 6156
<211> 383
<212> DNA
<213> Glycine max

<400> 6156

agcttcagtg tgtccaagaa aatgtacaat gcacatatat ccaggacaaa agaggaatac 60

tacctctgtt cgtccaggca ttataggctt cccaacaaac aactctgcca gaatacatcc 120

agcactccac aaatccacag taactccata atctgtagct ccaagcaaaa gttcaggtgg 180

tcggtaccac aaggttacga cacgactagt taaaggctgc ccatgagatg gctgaaacaa 240

agctgcaagc ccaaaatcac caatcttcag attgccatta ctgtcaagca gaagaattga 300

gcccttgatg tcacggtgca taacaccacg actgtgacaa tgctcaagac cacgaagaaa 360

gctgtgcatg taacacttga tct 383

<210> 6157
<211> 299
<212> DNA
<213> Glycine max

<400> 6157

agcttgacca agaaattact cacagtccat catcgcatga aggagactat ggataagcag 60

aggagggaag tgcagttcac tcaaggacac tgggtcctca ttaaacttcg ttcatgtcgc 120

cagtcaacag cttcaggtgg tcaatactcc aagttatcaa aaaggttcta cgacccattt 180

caaattgttc aaaggatcgg acctgtagca tataaacttg acttaccttc aacctcaaga 240

atccaccctg tcttccattg gttcttactc aagccttatc actcttcact gaccacaac 299

<210> 6158
<211> 407

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6158

agcttctaag caccctctca gaaatgctta tattctntaa ccactttagt ttcccacaca 60

agggatgtct gacaaggtca atgcaccccc catggacata cacaacatac aatgtatgaa 120

cgtgggcacc atcaagtaca atgaccatgg atgaattaag gctcctaagc atcccctcgg 180

aaatgcttag attctttaac cactctattt tcccacaaaa gggacatccg acaaggccaa 240

tgcacccccc ccccccccac gaacatacac aacatgcact tgtcaatgca ttttcaacat 300

catcaacatt ccattttaat ggcatcacca ataaccacaa caacctcatt ccatattgac 360

ataaccatca ataataacat cgattcatgt tgacatgatc accatta 407

<210> 6159
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6159

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tgattatctc acggtccact tgggccccat ttctgccaac tacaaaccct cagaaaactg 120

tattgtctac acaaaaagta cacttctcta tattngcata gaaggcgttt ttcctaagga 180

ctgaaagaac ttgcctgaga tgtcctcagt gatcatctag gctcctactg tacactaaaa 240

tatcatcaaa atagacaact accaatctat ctatgaaatc ccttaagaca tgatg 295

<210> 6160
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6160

ctggaactac ttcacatgga tttgatgggg cctatgcang ttgaaagcct tggaggaaag 60

aggtatgcct atgttgttgt ggatgatatc tccagattta cctgggtcaa ctttatcaga 120

gagaaatcag agacctttga agtattcgag gagttgagtc taagacttca aagagaaaag 180

gactgtgtca tcaagagaat caggagtgac catggcagag agtttgaaaa tagcaggttc 240

actgaattct gcacatctga aggcatcact catgagttc 279

<210> 6161
<211> 420
<212> DNA
<213> Glycine max

<400> 6161

agcttctata gaaggttcat tcctaatttc tctacaattg catcacttct caatgagctg 60

gtgaagaata atgtggcatt tacctagggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180

ctagaatgtg atgcctctag agtgggagtt ggagctgtat tgttacaagg ttggcaccct 240

attgcttatt ttagtgaaaa acttcattgt gcgaccctca actaccctac ctatgataaa 300

gagctttatg ccttaataag agccctccaa acttgggaac attaccttgt ttctaaagaa 360

tgtgtcattc atagtgatca tcaatcactt aagtacatta gagggaaaat caagttaaac 420

<210> 6162
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6162

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ttntgaaact ttaagattaa cctcaagtta gcatgaccaa tcttcttatg ccatatctag 120

tgatgctctt taactgaaag tgagcatgac atgttttgac tggacagatc accaagttta 180

atcttataaa gatttccttg tctcttagca gagaagaata aagaggtttt cttgttctgg 240

atgatacaca tatccttgtt aaaggtgaca ttatatccac tgtcacataa ttgatttatg 300

cttagcaaat tatgcttcaa ccttttaaca agtaaaacat tatctataga aggataggga 360

ggaatgcana ctttacctac accagttatc 390

<210> 6163
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6163

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ctatctgata tgatgctacg gggcaaaccg tgaagacaag tcaccatagc tgtgaacagc 120

tccgccacct tccttgtaga gtgcttagtg ggtaacatcc cagatgaagc cccttcggag 180

agcaatccac tactacgaaa attcatgtat agcctttata cgaaggtaag cccataatga 240

agtccatgct taaatcttcc cacggccgat atggtaccgg aagagggcac aatagccctg 300

ctggtttgcg gttgtcgtac ttagtaagtt gacacgtgac gcaggctgcg acgaaagtgc 360

gtacatcact ccgcatggag gccacgtgaa gttctcctgc aacctctgaa acgtcttctg 420

agtcccatag tga 433

<210> 6164
<211> 421
<212> DNA
<213> Glycine max

<400> 6164

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tttccttgat ggggatggga acacgatcca gaagctttgc tagctccatc ttctcatctt 120

gccttactgt tacatacttg aattcttcac tcaaagagaa caatcgacaa agctctatgt 180

cccccattgt aggcttcaaa tgctcgttat atgtggatat ggatccgtgt gttatgtagt 240

agtagctggc aatacgaccc aagtcagtga cctgaaaata tccactcttc ctatcatact 300

tcaccaaatt atttctatcc aagatggttg cagccgtatg aatctgcaaa atttcagcaa 360

gatataaaga tcaaaatcag cctatacata aaaaaagaca ggatgaaccg gctagaaaaa 420

a 421

<210> 6165
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6165

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atcgagacgc tcgaaattga atgttgaagc tctgaccaaa ttcaaacgat gataactttt 120

tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180

ctctcagcaa attcaaacga taataaattt ttactcggat gtctgattaa gtcccgtaat 240

acatcgagac gctcgaaatt gaatgttgaa gctctcagca aattcaaacg acaataattt 300

ttttagtcag atgtctgatt gagacccgta atatatcgag acgatcgaaa ttgaattctg 360

aagctctgag ctaattcaaa cgacaataac gttttgctcg gatgtctgat tgagtcctgt 420

aatctattg 429

<210> 6166
<211> 448
<212> DNA
<213> Glycine max

<400> 6166

agcttgcctt gccccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60

ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctgaatttca 240

aaatattttt gaaagtttgg caacgcaagt atggggcatt agttagcttt tgcttaagaa 300

cattgaaagc ttcttcttgt ttctctcccc atttgaaacc agcatttttc ttgagcactt 360

cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctataa aaacttgcta 420

agccatgaaa actcctcacc tcggtcac 448

<210> 6167
<211> 416
<212> DNA
<213> Glycine max

<400> 6167

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atatgttggg catggccaca tagcatcact gcacagcaaa ttggctcagg ttatcacgga 120

cttgggattg gtgccttcac acttgattgg gcaaggattt cagcttatca tggcagtccc 180

cttgtttcac catggtcttc cattgttaat gtgggaattg gatttatcat gttcatctac 240

atcattctac ctctctgtta ctggaagttc aacacttttg atgcacacaa gtttcctata 300

ttttctaacc agttgttcac ggccagtgga cataaatatg acaccaccaa gatcttaacc 360

cctgagtatg tccttaatgt tgatgcatac aacaagtaca gcaagttata ccttac 416

<210> 6168
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6168

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aatcctttaa agtcttcttt tgtgcttagg aaagtgaagt ctcatcttgt cactccgtat 120

agccttttttc aaccatttcc taaacatcat gtgtgatgca atccgacccc ccaagggcat 180

tggatagaag actccaagaa gattaggcta gagatgtaag agaaggtcct agggttctca 240

tgagccttag ggtagatttc aggcccacgg gttaagtatg agtccactta tctttgtaca 300

tattagatta aggtttcatt atttttgggc cttgtattta gggctccata atgtaggtag 360

ggtaccctag aaat 374

<210> 6169
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6169

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ttaaactccc atatctgcga gaaattaagc tacctttaa tcaattcaat ggttccttgg 120

atgagtttgt gattgcctcc cctgtactgg agatgcttga tttaggtagc aataatttgc 180

atgggcctat tcctntgtcc atttttaatc tcagaaccct tggtgtcatt caacttaagt 240

caaacaaatt taatggcaca atacaattgg acatgattcg caggctgagt aatttaacta 300

ccgtttgcct ctcacataac aatttgtcag ttgatatata cactagagat ggtcaggacc 360

tgtcaccctt tccagctcta agaaatctaa t 391

<210> 6170
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6170

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ttacactntc ttaagccagc attagctctt gtccatctcg agatgatagt tatatatgaa 120

caggaccgtg tctacgcgtt tttttaaggc ctttgccgag tatatttaaa gactaattta 180

atataagttg tcaaatctca ttttatttta tcgattacaa aattgctcac cggagttata 240

taattaagta tttctaaact cttaccatca ataatatata aaaaaaaaca ttcaatttat 300

cttttaacat agtttatata aaaaaaaaat tgagtagttt gaattttaca aaattacttt 360

caacaataat aaaaattaca agtattatca ataacacttt gaaatataat gtatatantt 420

ngaattttaa ataattaata ttnttagtaa aatatgaa 458

<210> 6171
<211> 443
<212> DNA
<213> Glycine max

<400> 6171

tcaagaaaaa tggcctcagc aaacttctta tttccagaag gaaattctat caatagacct 60

ccaatcttta atggagaggg ttaccactac tggaaaaccc gaatgcaaat ttttattgag 120

gcaatagact taagtatttg ggaagccata gaaatagggc cttatatacc caccacagta 180

gaaagaatta caatagatgg aagcacatca agtgaaagca taacaataga aaaacctaga 240

gatagatggt ctgaagagga tagaagacga gtacaataca atttaaaagc caaaaacata 300

ataacatctg ccctgggaat ggatgaatat ttcagggttt caaattgtaa gagtgctaag 360

gaaatgtggg acactctaca attaacacat gaaggaacta cagatgttaa aagatctagg 420

ataaacacac taactcatga gta 443

<210> 6172
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6172

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attcttgata aagtacagtt taaaatatct tgtagttntc agaatcagat tcatagatat 120

ttatctatac aggtacaatt tctaaggcaa gttcatggtc tgagcaacat tttgataggt 180

ttggtctcta gattcttctg agttacttca ccagtggata aatattccta caagtatttc 240

tgcaataatg tatataaaat ttttattaat ttttggttat ttatttatat aaatgccata 300

tgtttcttat cctttctgaa tatgaataat atctagcttc tgcttcaatc actttatttn 360

tcaagataaa gagaatttat caacaaacaa ttaaatcaca taaatatcca tacatgtgca 420

aatgt 425

<210> 6173
<211> 236
<212> DNA
<213> Glycine max

<400> 6173

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atacgacggg cagggtcaca taacattact gcacacaaaa ttggctcacg gtattacgga 120

cttgcgatgg gagcctatac actagaacgg gccgggactt gaactcatca tgggggaccc 180

gatgttacac catggtattc cattgttaat gtgggaatcg gatgtatgat gtacat 236

<210> 6174
<211> 363
<212> DNA
<213> Glycine max

<400> 6174

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aagacattca atggtatggg tggagcgtta acattatcag tgaaggcttg gcatttacag 120

catttcttca catggatgca acaatcgctc tccacagtga gccagtaata ccctactctt 180

agaatcttct gagccatggc atgtctattg gcatgtgttc caaaggatcc ttcatgcacc 240

tctaccagca tatgctcagt ctctctggca tccacacatc aaagcaatac catgtcgtgg 300

ttgcatttat ataagatatt cccgcttagg aagaagccgg ctgccaacct tcgtaacatt 360

ctc 363

<210> 6175
<211> 473
<212> DNA
<213> Glycine max

<400> 6175

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cggaccattc agtcgttgga ggatcttttg agggcgtgtg tcatcgaaca aaagaggagt 120

tgggagagtt ttctgtcatt gatagaattc acctataaca atagttttca ttctaccatt 180

ggcatggctc cctacaaggc tctgtatggt aaaaggtgta ggacacccct gtgctggcta 240

gaacccagag aaaacctcac cttaggacct aaagtggtac aacaaaccac taagaaggtc 300

aagttaatcc aagagaggat gatgactgct caaagcattt ataaaagtta tcaggacaag 360

aggaggaaag actaggaatt caaggttgat gattatgtat tcttaagatt cactccgtcg 420

actagggttg gtcaagcatt gaaatctcag aaactcacct tcgtttatcg atc 473

<210> 6176
<211> 462
<212> DNA
<213> Glycine max

<400> 6176

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aaaaagttct cctagtatag ccgtggacgt agacacatgc attgtgtgtt gaaccacgtt 120

aaactttgtg tctttttctt tcttcccttt atttctttct cttcttttat tgctctatac 180

taacaagatt agacttggta ctgcagcatt atatattatt cacttgtcaa gcatcaaagc 240

aaagcgatat tatgttaatt tctaactaac ccattgttta agtaaccaca attacctgta 300

atttatgtga gcgccagcac cattccaatc accctgtttt gtaagaacat aaccaaaatg 360

acactaatca atttcatcac accaaattca atattcatat atatatatat atatatatat 420

atatatatat atatatatgg tgtccaatat taatttattt ac 462

<210> 6177
<211> 442

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6177

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gatcttaagc ataaaaagaa cattaacatt ttaacatgaa aaatcctcca ataccaagag 120

aaacaagaca aattctgaaa aatatttcac tatattaata ctctttcaca taagaaatac 180

aaaataggaa aatgttaacc agctcttagg atattgttta agaaattaaa aagagaaagg 240

tttttattaa aatgcgtaaa attgtgcttt ctatgacttt nttttatatt ctcctataat 300

ttctacaata aatattttct tcttttaatt ctttaaccaa tgccttaagg acattggtta 360

gcaagaccct acaaaatata gtgtttctta aggagaccca cttccatcca aatactagaa 420

gtcatagaaa tgatactcaa gc 442

<210> 6178
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6178

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tcatcgtcga attgaaaatt tatttcgcat agatcatata tgcaaatttc atattaatct 120

aaaatcattt gtcacctcat tcatatagat taaaattgac gtagtataaa catcttaaaa 180

catggataat ttgattatct tcttgttgtt ggtcaatntt gacaaattta acacacatga 240

tcttagaaag atatagatat aattcaacga ttgggattaa taaaatcata ttatatatta 300

agttattaaa atgatgtaat gattaaagaa aaattaacaa atgaaatga 349

<210> 6179
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6179

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tggaatacca tcttacttaa aatgtataaa actattatag aagataaaat tttctcttta 120

taaattaata cggtattggg attcattact aactagtatc agtattattt ggaaccaatt 180

tcactcttta tggagtgaaa aaaattatgt aaaatgagaa gtaattatgg atgggtctat 240

tattaatttg aaaaataggt acttctcgct tttatcttta ttcttataaa ttaaaaagaa 300

aaaagaataa gtaattaaag aaactagcga tggtaatttt tttagagagt agtggcaaca 360

gttacatctt gaaggtgtag gaagacaata aaaacattat atatatatat atatatatta 420

aaagat 426

<210> 6180
<211> 466
<212> DNA
<213> Glycine max

<400> 6180

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ttatatttaa ctacaaccag gcctaacatt gctttcattg ttcagcaact tagtcaattc 120

atctctcaga cattacaagt tcatcactca gcagcaatta gagtcctcaa atatctcaaa 180

agtgctcctg ccaagggatt gttctattct tcctcctcca cactcaaact ctctggtttt 240

gcagactcag attgggcaag ttgtcctgct actcgcagat cagtgactgg ttactgtgtc 300

tttcttggca catctatgca gtcttggaaa tccaaaaagc agtccacagt agccaggtca 360

agttcagaag cagaatatag agctttggct agcttaactt gtgaattaca atggctgcag 420

tatttgtcaa ggatcttcac atctctcttg atcaacctat ctcagt 466

<210> 6181
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6181

ngtcaaanag ggaagcaagt taaaaattgt tttcaaagta aaaacgttgt ttctacttca 60

aaacccccttg aactacttca cattgactta tttggtccct cgaaaactat gggttttggt 120

ggtaattact atgtcctagt tataatagat gattactcaa ggttcacatg gactttattt 180

ttgaaaacca aaagtgaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat 240

gaaaaaggtc tcaacattgt ttcacttata agtgatcatg gaggtgaatt tcaaaatgag 300

tatttgaaaa cttttgtgaa gaaaatgaaa ttcaccataa tggttctacc tcaagaacac 360

ctcaacaaaa 370

<210> 6182
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6182

atgaagactc tcctctaatc taaatgtaaa tctgtgatct ctatcagaga ctatgctaga 60

aggaacaccg tgtagtctaa ctatctcact gatgtacaag ctagtcaatc tttctaagga 120

atatctgatg ttaattggga tgaagtgagc agatttcatc aacttgtcta caataaccca 180

aatggaatct aaacctttgg gggtcctagg taacccaacc acgaaatcca tggagatgat 240

atcccacttt cactcaggta tgtctaaagg ttgcaacttc cctgaaggct tctggtgttc 300

tatcttagct atctgacaca ctangcacgc aaggacaaac tcattaactt ctttcttcat 360

actcgaccac caaaacatct gcctaaggtc ctggtacatc ttagtcactc ccgggtggat 420

acttatacta cttct 435

<210> 6183
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6183

tagctnntac tgaaaagatc actcccagat gtaccaagga tgctatgcaa gatcctcaat 60

ggttagctgc aatgaaggat gaatacatgg ctctcatgca aaataaaaca tgggatctcg 120

tccctttgcc tcctcatagg aaggctattg gttctaaatg gatatatcgg ctgaaataca 180

atgttgatgg ctctgtagcc agacataaag ctagactagt ggcttagggg tattctcaac 240

gaccaggcct tgattataat gagacattca gtcctgttat taaaccaaca accattcaaa 300

cggtcttgag cattgttgtc accagaaaat ggtatatacg acacgtagac attaacaatg 360

ctttcctaaa tggttccatt caagaagagt atatatg 397

<210> 6184
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6184

atctatggng gcagaatcac tctcattaat tcagtcctat tagccttacc tatctactta 60

ctatccttct ttaggatccc taaaaaagtg gtgcacaaaa ttgtttccat ccagagaaat 120

ttcctttggg gaggtcacca agaggccagc aagattcctt gggtgaagtg ggacacagtt 180

tgtcctccta agaacaaagg gggcctaggg attaaagact tatctaaatt taatgaggct 240

ctacttggca aatgggggct gggagctggc taataaccac aatcaacctt ggtctangaa 300

tttactttct aagtatggtg ggtggaagga gctgatttct ggtggaagga ggaatttcac 360

ttcccaatgg tgcaggatct gaagatcatc tttcancagc agcacaacaa c 411

<210> 6185
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6185

cgtgattagt tagatgatta ttattattat ttgtttttt gactgaagat tntaattntt 60

attcaaatcg atattgtata gtactcctgt ataaaagtaa aaaaaaaaaa aaggaaaaat 120

ggccaactcc aacctccata tctagagatg atcaattgat catatgttcg attgcttcat 180

attaatcaaa ttcgaatcaa tcatatttaa ttacatgact ttgatttttt tttcttgtta 240

atttgaatca caccaattta ataaagattg agttagtttt ttgagtaatc aagttatcat 300

aaagaaacta agttactata ttctatttaa gtttttatcc ccactaattg cctatttttt 360

aactaaattn ttaaacattt taaaaaaatt aaactgaata ttaaactagc tatttatatt 420

atttaatata taattttgtc tatgattatc acttaacgta tttcattaat 470

<210> 6186
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6186

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aatttctgcc tgtgcaaatc ttgctattgc taaatggggg gaacagattc atggccatgt 120

attgcgttta ggtttggtaa atgctatgtc agtggcaaat tccattgtta ctctttattc 180

aaaatctggg ttgctaacct caacttctct agtgtttcat ggtataacta gaaaagatat 240

tatctcttgg agcactataa ttgctgtaaa tctataagtt ggctagccca attgatttat 300

taattcccaa tattctcgtg gatagataac atctttcttc aagtttcatc aagaacttac 360

gataaagtct aagatctatt ggcaccaagt gta 393

<210> 6187
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6187

agcttgctta agaagattcc taaagaagct agatcttagc tacacacacc tctctaatag 60

ctaagctcac ctccttgaga tgagaagcta gagcttanct acacaccccc tataataact 120

aagctcaccc ctatgccaaa aaaaaacatg aaaatactaa aaaagtcctt actacaaaga 180

ctactcaaaa tgccccgaaa tacaaggcta aaaccctata ctactagaat ggcacaaata 240

caaggtctaa acgaaggaaa aacctattct aatatttaca aagataagcg ggctcatact 300

tagcccatgg gctcgaaatc taccctaagg ctcatgagaa ccctagggcc ttcccttgga 360

tcacttgcct aatctacttg gagtcttcaa taaatgccct tgc 403

<210> 6188
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6188

tatgctgcan acatctacaa tagacccact catctctcat ctttgtaatc agccacatta 60

gagcagctat gacctctcta gaaaaaggtc catcccgggt ggaggaatca tcccaacctt 120

agatggccaa atcattctca acagcagctg cctcaacaac tacagcttcg accccagaga 180

caacgtatag ttgatgcttc tgcacatcct acccttgaag aacttgtgag gcataagact 240

atgcataaca tgtcatttca acaagagacc agagactcca ttcagagctt aactcatcta 300

atgggacaat gggctacaca gttcaataaa catcagtccc agaattctga cacattacct 360

tctcaatctg cctagaatcc cataaatggg agttccatta cattgacatc 410

<210> 6189
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6189

agcttaccaa ctaagctatc aaacatagat aattactaaa atattcatca gagtcaaatt 60

tcattctgta aataatgtgg tcagaaaaaa agaagactat agatgcaggt ttttctgttc 120

tttctaaatc tcaatttgat tggctcacca ctgaagattt ccctctgaag agtcttagca 180

ttgtaggagc aggtgaactc ttgggaattg ccacagttac atcataaatg gcaggaacaa 240

aagagcgcat atggtttact gctgaaacaa aaccctgaaa gcaacatagc ggagtaaata 300

tttcagagca accaacagaa aagaacaata aaacctaata taatggttag cactgcctat 360

taggtaatat atgtaagatt gaatgtgtta tgtaaattta aaagaacaaa gaagccaaag 420

catgaaagta aaatacanag ataaagtcta tct 453

<210> 6190
<211> 393
<212> DNA
<213> Glycine max

<400> 6190

tctatagaag gttcattcct aatttctcta caattgcatc acttctcaat gagctggtga 60

agaagaatgt ggcatttacc tagggtgaaa aacaagagca agcctttgct ttgctcaaag 120

aaaagcttac taaggcacct gttctagctc ttcctgactt ttctaaaact tttgagctag 180

aatgtgatgc ctctagagtg ggagttggag ctgtattgtt acaaggttgg caccctattg 240

cttattttag tgaaaaactt cattgtgcga ccctcaacta ccctacctat gataaagagc 300

tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttct aaggagattg 360

tcattcatag tgatcatcaa tcacttaagt aca 393

<210> 6191
<211> 423
<212> DNA
<213> Glycine max

<400> 6191

tgacgcttag gatatgactt aatgactagt agagagatta ccataatacc aatcccattt 60

tcttactact tttgtctttg tactattaag cattttttat aaactaaact aatatgggtc 120

ctttgtttta gtttatttat tacaaaaagc acatttttaa aacaaaataa gtaattcttt 180

tttgttttta taaataaaaa ttctggtttt taatattttt cttataatgt gtttacttaa 240

ataatagttt tatgtgtttt taagaagaaa attctattta tttcttataa aaacgctttt 300

attcataata ttttataaat attatataca tttttaaaag actagcttta atatatatta 360

atacttcaaa tatgacatta acttcttttg ttaattagta ttattttcga catctttaat 420

tta 423

<210> 6192
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6192

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aacctcaagg tgatggcact cacatttttc agattctgca cagtttgtga aggcaatttg 120

ttagaatttt tggattgagc ttggtttaac tgagtagcca tttgccccat ctgatttgtt 180

agactttgaa tggaggctct tgtctcttgc tgaaattgca tattctggat ggtcatttgc 240

ctcactaact cttctaagga aggttaagga gaggcctcag ttgcttgttg tctttgttgg 300

tggtgctgtt gtattggagg aggaacatat ggcttgcttg gaccagtagc attctataaa 360

ggagggacag gttgttgttg ttgtggagga cttgcccatc tcagatttgg atgatttctt 420

caacctggat t 431

<210> 6193

<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6193

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taataatttt ataaagtcac attctttnnt ctttttatgn taataaatat tttgtatntt 120

ttatgtaata atttctttct tttcaaacat ntttattnta tttttgagtc ttgctaacca 180

aagcccttag gacattggtt aaggaactaa aaggggaaag tatttagtgt gtaaatcata 240

tggaagtgta aaanaaatca tggacaatgc aattttctgt ctcccaataa aaacatttct 300

actttaagtt ccttaacana ttatacaccc gtccttggga tagaanaaga gtaattctac 360

atccctttac agngtatntt cactaattct cctacttagn taataaagaa agtatcaatt 420

ntttttatgt ctaaggatta atgcatttac attattaata cttct 465

<210> 6194
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6194

agctngcccc acttgaaaag cctcttttga atggtgactc taatgtaagc aacaattatg 60

ttcccattaa ggctagagga aatgaaaatt taacctggta ttcaaatgtt ggatttttca 120

gcattcttac tttctcatgg atgattcctt taataactct agggaatgag aagactttag 180

agcatgagga tctcccacat cttgctactg atgacagtgt ggatgggatt ttgccaactt 240

ttacaaacaa acttgagtca gagtgtggta atgtgataac aaccctactc tagtttcata 300

acaaccctac gaaaatatga ggttactgca cacatgaaca acactacact agtgtgataa 360

caaccctgct tacactatgc aaacaaccct gcttccagtg tatgtttgtg ataacactac 420

gttacccatt attcaatctc ctcatgccct atccccaatg aacaacacta cactacctca 480

atc 483

<210> 6195
<211> 345
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6195

tgttgacact gttacctaat gcattcacat tcagcggaag ccttgcaggg tctntaccag 60

ccactgtctg cacagggttg cttanggaat cgaagttnga gctcgacaca nactctggca 120

atatgtggaa ctgcactaat tcgattttct ggccttcgtt tanggagttg aggaagcctg 180

ctntgaggtt ggaaaaggca gaatcatctg gtgcaaggat ggttatgccg ccactctngg 240

ctgttatgag ctgtgagttg atgttgttca tgatttctgt ggttntgagg aggcggatta 300

ngaactgaga acattttgcc tttntcanga ttctggtgat gtcgt 345

<210> 6196
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6196

ctgtacttgg atcatggaat gtgtntcttc cacttncttt agtgtggcag tcaatggatc 60

catttatggt cacttcanag ggcagcgggg tcttagacaa ggggatcctc tctcccctta 120

tctgtttgtg ctttgtttgg agtacttttc cagagatatg agcagcctta aggatgatgc 180

caattntaaa tttcatccca actgtgcaag tattcagcta tctcatttgg cttttgcaga 240

tgatattatg cttctatcta gaggagatat cccttctgtg tcaactatg 289

<210> 6197
<211> 348
<212> DNA
<213> Glycine max

<400> 6197

atgcgacaat tgctgcacct ctaaccaagc ttctaacact ggaacctttt caatgggccc 60

aagatgctcg tgcagctttt gctgctctta agcagatgct gacctcaacc cctgttctcc 120

ggttgtcgga cttcactctt ccctatacgg tggagacgga tgcgtcaaga acgggcatgg 180

gcgcaatgtt atcacaatat ggccacccag ttgcttactt tagcaaaaat tttccaccaa 240

agctacttgg tgcttccacg tacgttcgtg aattattcgc cattacggcc gccgtcaaga 300

aatagtgtca atacctcctt ggccggtgct atcacatcct cactgatc 348

<210> 6198
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6198

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgngtcaac tntatcagag agaaatcaga caccttttgaa gtattcaaag 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240

atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac aaaatggcat agttgagagg aanaacagga 360

ctttgcaaga agctgctang gtcatgcttc atgccaaaag aacttcctat aatct 415

<210> 6199
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6199

ataaccggcc tccataccan anagtcaaag ttatagatgc tgttgttaca aaatatgagg 60

ctgacaatat ggaacctgaa atccatgatt gcttgatgct ttctttcttg nggccttcca 120

tcgccattct gaacaaatnt aaaatccttt tctcagatga gaatgcagca atagtcctat 180

gattggtagt agcttccatt gctaattgac taccctctct ntgagccttt cttgctnntg 240

cctgccatac tttcatgaga atgttnnttg agtagaagca tacaatgatc aacggctgca 300

ttgcggtcat aacaagagcc accctccatg tgacaattaa acttagtaca aaagccaaga 360

aagccataac agaaacgtta actaacaatg acat 394

<210> 6200
<211> 300
<212> DNA
<213> Glycine max

<400> 6200

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cgactatgtg gtttatgctc ctctgccgac caccatacag acctttgtcc ttctgtgtgc 120

aagctggagc aactgaacaa cctaaagctt atgctgcaaa catctacaat agacctcctc 180

aacttcagca gctaaataca ccacaacgaa acaattatga cctctccagc cacagataca 240

atcccagatg gaggaatcac cctaatctca gatggtctag ccctcaacaa caacaacagc 300

<210> 6201
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6201

tgaccatgac atgtgtttta ataataatca acaatcaatg atcaatcatc tntgaatcat 60

ctatctntca atctattttc agcatcatct ctcaacatct gtcaatcaat ctttcaatat 120

ctttctacag aattgtgtga ttcatctctc ttcatttttc taaaagttnt ttatcaacac 180

tatctcttcc aagaaaagtt ctntgttcac aaacttatgt tattcatctt tatcattctc 240

ttcttccttt gccaaaagaa cgaaggacta accgcctgaa ttcttttgtg ctctcttatc 300

cctacaaaag atcataggac taaccgcctg agaattcttt tgattct 347

<210> 6202
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6202

agcttgactt acttggactg atcatattct cttatgaaat gatgatcaat gtcaatgtgc 60

tgggatcatt catgatgagc agggattgaa gcaagactta tagcagattt attatcacaa 120

aataacatta cagagggcac atcaacttca aagtgaagaa gtaacttggg taaccaaaca 180

atttcactag taacagaaga caagacacga tattcagctt cagtggatga atttgaaaca 240

gtgggttgtt tcttagaacg ccaagaaaga aggatatttc ccaaaaagac acaaaagcca 300

gaagtggatc ttctggtatc aacacagctg gcccaatcag catccgcana ggcagtgagg 360

ctgagagagt tctgagc 377

<210> 6203
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6203

agcttgtact ttaattgata ttcatgatat atatattaan attcctaaat ttcataatta 60

gggcttatac attagtaaga gaaattatat cattcttgga gaatcataaa tttcataaca 120

catgctctga taccacatgt gagaatcctt aagggtttcc tagactatta atgattggaa 180

acaacaggat cttgacacct atggttctca catacaatca ataaacaacc atagataatg 240

atgtgtacct ttctccatag gaagacatgt acatttctct ttggaacttc tcttcggtgc 300

actttgattc tccttgaaag agaagagata taagatttac ttcctatgtc tttcttgctg 360

tctctctcat tcggatggca tgggtggaga gaacctttct gtcagaaggg accctattta 420

acttatggtt tcaacccttt a 441

<210> 6204
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6204

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taattgccaa atgctctctc aacaactctt gagagaatac ttgcaaatct attgagaatt 120

catccagaaa cttcaaattg tattatcatc tctaaaagag agaaattcct ctaggatctt 180

caatttgtat catccactct aaagtataga aatctttcta tttatctcag aaagttagtt 240

gtaatcaaga gactggttgt ctcttggatt gagagaatng tagtcaagag attggttgtc 300

tcttggagaa tctntgaaca caagggtgag ggatctcaag gtgtgttcaa agtctgtaaa 360

ggatttatag agatagtgga aaatctcaag tgcttgagga ctggacgtat gcaccggaag 420

tggccgacca atataattga gttgcattct tcttccttat ctattattta tacattgatg 480

tgcttgctgt taagacatat aaat 504

<210> 6205
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6205

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gagaagagag gggaaagcaa cttcaaaccc gataggcata tgttctgcat tttcatcctg 120

aagcttgtac aaattctcct tataaaatga cattcctgtt acatatgaat gcatatatac 180

acaatagaaa cattaaatta acataaacgt gctgataaag aaataacatt tatatcataa 240

tactctacta tttcccggtc ctcttctttt actatggaat 280

<210> 6206
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6206

agcttgtgca tccaatactc tgatgaggat gtcctatatg ttcttaatac tagactgatn 60

ccattgcttc caaagtttca tggccttgcg ggtgaagacc cacacaagca tctgaaagaa 120

ttccatattg tctgctccac catgaaacca ccagatgtcc aggaggatca catatttctg 180

aaggcctttc ctcattcttt agagggagtg acaaaggaat gtctatatta ccttgctcca 240

aggtccatca cgagctggga tgacctaaag agagtattct tagataaatg tttccctgct 300

tccaggacca tgaccatcag aaaagatatt tcaggcatta gacaactcag tggagaaagc 360

ctatataaat actgngagat atttaaaaaa ttatgtgcta gttgccctca ccaccagatt 420

tcagagcagc ttctcctcca atatttttat gatagatg 458

<210> 6207
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6207

gaacttgcac atttatgatg ttcttcatgt gctttgactg attcaacaag tctttacaag 60

ccttcattgc attgttatgt ggtgagcaag gactatctcc aatgtgatta agaaatgcac 120

naattttcca gcattaacct ttctacatga tctaaatcct tgtctattaa gacatgtgat 180

ccaaaaatga tcactttgct tngtactgaa tagatagcat aacaaacaat aaactctatc 240

attagatggg gaatactcta gcccagaaag aaaacattta aaccaagtac attggaaatg 300

ccttggatgt ntctctntac anaaaggata atattgtagt tctatttgat atggacccca 360

tttgatataa gctcttcgaa cttcatctct tttgatcatc agatattcat atatgtgaag 420

ggcatttctc aggtcacatt ccaaagaaat aacatcaaat tcatcaac 468

<210> 6208
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6208

agcttttatt gtaatcttga aattcaggac agtactctaa tttctgaaat tnntgggata 60

aaaatggtca ttgaccagtc ccttttccat gacttaacca aattacccag tgacggtgta 120

ccatttgaag gtacactgaa tgacgactgg aaatttgatt tctctgccca tgatgcccgc 180

cagttggttt gcaccaacaa tgcggatatg accggacgtc ttcttgacgg gtcattggct 240

tttgaaagcc gcatccttca ctatttaatt gtgcgtattt tgcttccacg gccttccaac 300

cttgcccagg tttctgagaa agatctaatt atcatgtggg cctttcatac agggcgtcaa 360

cttgactggg cacacttagt cagatatcgc atgcataagg cattgcgatt aaatgctcca 420

ctaccatatc cacagcttgt cactctcttt tntcaccatt ttc 463

<210> 6209
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6209

gtaagaatct gttntagaat ttctaacatg tacacaattc tttagttgga tattccatga 60

aggtttagaa tcatcaacag catcacagag gtttatgtgc tttctttcta cattgtgcaa 120

aaggcatgac tggttatttt cttttatcca tattgctgtc tgaacttgtc gtgcaatgag 180

tctccagcac attgctgtag tcaaattcat caacttatcc caaattacag gataatcttt 240

gtcttttcta taagcagggg gagctgaata aacaaagtac ccattgaagc gaagaaggcg 300

attcaactcc ttcagtaaaa tcccatctgc aaaaaacaga ataaattgac aataaacaag 360

tctgtcagaa taacgtgcca gttcatgaat cactagaaca aaataaacaa gtct 414

<210> 6210
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6210

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attgaacaac ggaagctctc gagaaaatcg aatggtcata acttttcaaa cgaatgttcg 120

attcggggac ataactcatc tagacgctcg aaattgaaca atggatgctc tcgagaaatt 180

cgaatggtca taagttttca cacggatgtc cgattcgtgg acatattata tcgagacgct 240

cgaaattgaa caacggaagc tcccgagaaa tttgaatggt cataacattt cactcggatg 300

cccgatctgg aacataatat atcgagacgc tctgaaatga acaacggaag ctctcgagat 360

aatcgaatgg tcataacttt tcacacgga 389

<210> 6211
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6211

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ccttcacttg gatgtcaaaa aagtagccga tattcactct tttgactcgt gaggcagaat 120

acgtagcagc tacttcatgt gtntgtcatg caatctagca taagaatnta ttaaaagagt 180

tgggcatgtc acaagaagag ttgaccaaga tctttgtgtg ataataagta gtcattgctc 240

tagcaaggaa tccagtgttc tatgatcgaa gcaagcatat tgataccccct taccactaca 300

taagggagtg catagcaaga aaggatgtac atgcagaata tgtgaagtc 349

<210> 6212
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6212

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catttccatc tacagaaaac tgatcatagt cgctcaagga aacacagaaa atgaccaatc 120

caacatcctc aaacatttct agccacttgc aattttctgc tagccctctc gcatgtattg 180

taattagttg atacctgtaa tcaaggagaa caaagcatgg tacaggttag caacatttta 240

gcagttgttg caattggatc aatcagggct acccagaaaa cttctcacat ataacattag 300

gcacaaatat tttcacccac ctaactaaag aattatgtag atcagcagtg tcaacagttt 360

cctcgggagc tggttgagga aatgaaaact ctacagaagc catcccattg gatgaagtaa 420

ctccttcagc atagaggata tctaaatccg anggttcata ctcagtcctc agtatctcaa 480

cag 483

<210> 6213
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6213

agcttcatat ggagccatgc cgacggtaga atgtaaacta tngttataag tgaactctat 60

caatggaaga aaactctccc agctttcctt ctgctctaag atacatgctc ttaaaaggtc 120

ctccaatgac tgaatggttc gttcagtttg gccatcagtc tgaagatagt aggctgaact 180

cagtctaagc ttggttccca acactctgtt caagctctcc caaaatctag aggtaaatct 240

aggatctcta tcagatacta tgctagatgg cacaccatgc agcctacaac ctcacttata 300

tacaaggtgg tcaacttctc caggaaaatc taatattaat gggaatgaag tgagcaaact 360

tagtgaatct gt 372

<210> 6214
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6214

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gtcaagaact taaaggtaga agaagatgag tggagggaaa gggagagaat gggcacacaa 120

tttatgcctc acatgaggtt tgaactctga agtgtaattt ctaatatgat caaagttgat 180

aaaatgcaca cacaaggcct ctatttaagc ctaagtgtca cacanaattg gagggaaatc 240

tgaatntcaa ttcaaatttc gc 262

<210> 6215
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6215

cacacacaca cacacacaca tatatatata tatatatgtg tgtgtatgta tatgacttgn 60

taaaataaat tangaattaa tagttcaaat aataaaatta aattgaacga aattaatata 120

ttaagaatca acaataaata ctntcaatga atttgtagat taattatcta tgaactctct 180

ttaatctgaa ataatatagt tcgaattaat atatacatgt tctgtgccat gtaaacatta 240

ataatgtgtg atgtttatat gattgatgac gtgtgatcac atgttgtgtt gcgattataa 300

cattgtaatc gagattgagt gttcgtgata aattgagtat gtgttgaatc gtaagataca 360

tgtgtatcga gatttcttac acattgagtt gtgagctatt aactgtacaa tcacacaact 420

<210> 6216
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6216

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attcatcaag gatntttcaa agattgctag acccctaagc aacctgttga ataaagatgt 120

ggccttcaag tttgatgacg aatgttcaac agcatttcag acactgaaag acaagcttac 180

tactgcacct gtgatgattg cacctgactg gagtaaagac tntgagctga tgtgcgatgc 240

cagtgattat gccataggag cagtccttgg acagagacac gataaggtat ttcatgctat 300

ttattatgct agcagggtcc tgaatgaagc acagttgaat tatgccacca cagagaagga 360

aatgctagct gttgtctttg ccttggagaa gttcagatca tacttgatag gatcgaangg 420

tcaccatttc acagatcatg ctgccatcaa gcacct 456

<210> 6217
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6217

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tcttgtctct tgctgaaatt gcatattctg gatggtcatt tgcctcacta actcctctaa 120

agaaggttga gaaggggcct gacttgcttg ttgtctctgt cgctattgct gcattggagg 180

aggaacatat ggcctgctta aactatcaac attctataaa tgagggacaa attgttgttg 240

ctgctgttgt cgttgtggac gatttgccca tctcagattt ggatgattcc tccaacctgg 300

attgtatttg ttgcttgaaa gattactaat attctgctgc ttgttggttt tttgttgacg 360

gggtctatta taaatgtttg cagcataagc ttcaggttgc tcattgactc 410

<210> 6218
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6218

gctcgtctnn gctgatatta tcatgcacac tnttctgatg atgacctatg aaccaatagg 60

gatctacttg aaacttatgt gcttcaagtg agaagaaatg cttctttntc cacttgtgaa 120

gatgttcaaa gtttggctat gaagatggtt cagactgaga aacatttggt atttccattg 180

gtttataaac ttattgagct agctttgata ttgccggtgt cgacagcatc cgttgaaaga 240

agcttttcat caatgaagaa tatcaagtct aaattgcgca ataagatcaa cgatgtgtgg 300

ttcaatgact tgatggtatg tacaccgagc gggagatatt caagtcgctt gatgatattg 360

atattat 367

<210> 6219
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6219

agctngaatc ttccttggtc gggtacatga gcatatgcaa tgctcccaaa tactctcaag 60

tgatcaactc ttggcttcac tccactccat gcttcttgtg gtgtttgatc tttgacattc 120

tntgttgggg agcgattgga caaataaacg gcacacgcaa cagcttctgc ccaaaattcc 180

tttggcatat ttttagcctt caacatacat ctagttatat taagaatagt tctatttttt 240

ctctctgcta ccccattttg ttgtggagat ctatgaaccg ttagagggcg acgaatccca 300

tattnttcac aaaattcatt aaattctttt gatgtgaatt cgccacctct cttggatctt 360

agagcttnga ttacataacc actcttcttt tcacaagagc tntataattn taaaaactac 420

aat 423

<210> 6220
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6220

tgcaagcttn ncagggacac cacattcctt ttgaaagttt gtgggcaatc acattctaaa 60

tggccttagc ccactgtgag tttagacata tgaattagta gtatatgata ttatatacac 120

acatacatat acttttctgg gcatgatcga gtctctatat atatataccc atacatttac 180

tntggntaat ttaaacatgt gaacatntgt tggtntacga ggaagacaaa gctatattgg 240

tgcatgacac agggtcgcaa ttaaagcaga taaataattg tgtcataaat c 291

<210> 6221
<211> 377
<212> DNA
<213> Glycine max

<400> 6221

tgccacattc ttcttcacca gcttattgac aagtgaggca attgtacaaa aattaagaac 60

aaaccttcta tagaagcttg ctaagccatg gaagctccta atatgtccca cacttttgg 120

ggtgggtcat tcttggatgg ccttgatttt ctcaaggtcc acttggaccc catttctacc 180

aactacaaac cctaagtaaa ctatattatc taaacaaaat gtacacttct ctatatttgc 240

atagagggtg tttttcctaa agaaagaact tgcctgagat gtcctaaaag atcatctagg 300

cttctactgt acactaaaat atcatcataa taaaccacta ccaatctacc tatgaaatcc 360

cttaagacat gatgcat 377

<210> 6222
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6222

atgcttggca ggaacctaca cagggatgct agcttaccgt tcagcttctg aacttcttgg 60

atgttggtgg ggctacgcat ctctagtatg gcagtgtatt tgtcggggtt ggcttcaatc 120

cctcagtgag tgatcatgaa gccgaggaac ttgcttccac ctaccctgaa agtacatatt 180

ttaggagtga ggcacatgtc atatttgcag agttcctcaa agacttgttc catgtccgcc 240

acatgctgga ctatgctntg agacttgacg accatgtcgc ccatatatac ctcgatgttt 300

catctgatct gctgataaag actcggtcca tcagtcattg gtat 344

<210> 6223
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6223

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aatgctngat gcagaactat gatgcagttg ttggtgatgt atcgatagtg tccacacgtt 120

atgaatatgc ttcattcact cagccctata ctgaaaccgg actgatgatg attgttccta 180

ttaaatcaaa gacaggtgat agaacgtggc tattcatgaa acctttcaca aagcgcatgt 240

ggattctaat attggtcatc attgtctaca atggttttgg tgtatggatt attgaaagaa 300

accaccgccc tgaaccggag gggcctattc tgcagcaaac cacaactatg ttatgggtgg 360

ctntctgttc tttgttctct ctgaatggga atttctttct gctgtggtca tctgttgatc 420

catct 425

<210> 6224
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6224

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ggatgctagc atacttagaa gatggataaa tatttggggt tccccatgct ttctggtaga 120

gtcaagaatg aagacttccc ttatantttg gaatgattga acttgagatt agcagggtgg 180

aaaacanaaa ctctgagtag gtctggacgt gttactttgg ttaagtcagt gtgaaactca 240

atccccatat attccatgca aaatntctgg attcctcang ggatatgtga tgtgattgat 300

agaatctcaa gaagtttatt ttgggtaaca accatcatca ttgggtgggg tgggacataa 360

taacttagcc ctttgaggaa ggaaaacttg gagtctgtaa agttagagaa acaaatacaa 420

ctctcttagg gaaacatatg tggtctc 447

<210> 6225
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6225

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tcaatctctc ctcaggatat cactattgga gttgctattg gatcgtctac acagatatct 120

atgtttgtgg tatggcctcg aactgttatt aaatgttatt aagttgtttg gggtatacat 180

ttaccatatc tttttgtgat taaactatcc tgaatttctt cttgtcatag gaggacattt 240

cttgagttta ttaacttttt aaaattagtt aatcagatga tgatcattgg agaaagttga 300

tggttcttga tctcttgaaa attgtagatc cctttctgtg tagttgttgg atggtgcatg 360

ggaaaagaaa tggacttgaa ttttcaacta ttcgagactg ccacgctttt tatcactgtg 420

ttagtagttg catttatgat gcangtatgt tatttcttac ttgc 464

<210> 6226
<211> 371
<212> DNA
<213> Glycine max

<400> 6226

agcttgtagg gttaaagtct cactattgtc acgtgctcat gcaacaattg ttaaccgcgg 60

ctatacaaga catattgccc aacaaagtca gggtattcat aactcgactg tgtttttct 120

tccatgccat atgtagcaaa gtcgttgatc ctgtatagtt tgatgagctg gaaaatgagg 180

ccgcaattat actgtgctag atggagatgt atttgtcccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcaaagaaa tcaaatgtta tggacctatt tatctgcggt 300

ggatgtactc agttgagcga tacatgaaga tcttaacagg gtatacaaag aatctatatc 360

atccagaaac a 371

<210> 6227
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6227

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tttgtttta tcggttaaca tggacctttc aaaagcataa aatcaacacg taactttacc 120

gtttttgcaa gaactacgta ggtccgagtt cctcaccaca aatcgaggat acgtaggagc 180

agaagccccg cttttgtcga ccaccccttt tcaaacaaac caagagatcg ttaatggtcc 240

aacgccttaa catttctcta ctttcaaaaa ccaagagatc gttaatggtc caacgcctta 300

acgtttctct cctttcanaa acaagagacc attaatggtc caatggcctt aacgttctct 360

cctttcaaaa tcaaaagatc gtttaatg 388

<210> 6228
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6228

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attattatgt taaatcttat tgcaagtcta cactttcctt gagaccactc ttgtgactat 120

atcattactg ccacatttca aaacatactt ttctgacgga gaaattcctg gaacacctgg 180

cactcttgcc acaacttttc ttacttttgg ttaggtcctg aaacatgttt tctatttgag 240

ttgttggttt catatttgac tttttataac actgttggat tgactgcagt tttgaatctg 300

gccttttcct tgagtgtctt gggatttctt gtcttgcacg tgtcattggt agcttctaat 360

acaaccacta ttgaggtaag agtttgcact cttttccctt tcccttntct actttagaaa 420

tct 423

<210> 6229
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6229

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atctttggct tgtaaaggat tntacaaggt tgaaagaaat ctcaagaacc gtaggttgct 120

tgaggactgg atgtaggcac gggttgttgc cgaaccaata taaaattttt gtgtttgtct 180

tcttcttccc tacactctnt aatttctgtt gtatactttt cttttacgct ttacttttgt 240

ttgaattaca taacttagta gtaaagccta attgaatctg gtaacattaa gaaggataag 300

attntaatta gtcaaagcac attaataatt aattcaaccc ccccttttcta attattctga 360

ngtcacttga tccaacacag gtctatt 387

<210> 6230
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6230

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catgtacatt catcangaaa acatcatagt ggaaggaaat tgtagtgctg taatccaaaa 120

gatccttcca cctacgtgca aagatcctgg gagtgtaacc attccttgtt caataggaga 180

agtcaatgtg ggaaaggctc tgnatgatct gggagccagc attaatttga tgccactctc 240

tatgtgcaga agactgggag agttggagat tatgcccact cgaatgactt tgcaattagc 300

tgaccgctcc attaccaggc cctacggagt gattgaagat gtgttggtca gggtaaagca 360

ttttatcttc ccagcagact ntgtggtcat ggatatctct gaagatattg acatccctgt 420

aatcttgg 428

<210> 6231
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6231

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agctcacctc cttgagaagc ttgcttgaga agattcctaa agaagctaga gcttagctac 120

acacaccttt ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180

caccccctat aatagctaag ctcaccccca tgacaaaata tatgaaaata caaaaatgtc 240

cctactacaa agactattca aaatgcctcg aaatacgagg ctaaaaccct atactactag 300

aatggccaaa atacaaggcc caaatgaagg aaaaacctat tctaatattt acaaagataa 360

gcgggctcat acttatccca tgggctcaaa atctatccta aggctcatga gaaccctang 420

gccttccctt gggattttgt cccaatctac ttggagtctt tta 463

<210> 6232
<211> 388
<212> DNA
<213> Glycine max

<400> 6232

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tcatcagcgg gctctccttc tgtgtacaac atcttgcgat gttcccagcc tttgatgaca 120

gctttccagg tactgctatc cagtgagacg atgaaggcca ccatccttgc tttccagtat 180

tcatagttgg ttccatctag gattggtggg ctgttcactg gacctccttc gttgtgcatg 240

ctcatcacaa cttatctgcc tagatctcac tctgtgattt cgagggttgg ctctgatacc 300

aattgaaatt ctgatgccag gggacagatg tcgtacatga tgtcacgaca tcacgcttca 360

taacatgcag tatatgtggg tctgtatg 388

<210> 6233
<211> 324
<212> DNA
<213> Glycine max

<400> 6233

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atttatctag acgctcgtaa atgaatacgg aagcacgtat caaatgcaaa ccgcattaac 120

atttaactca gatgtgcgaa tgaatcccgt aatatatcga gacgctcgga attgaaaaca 180

gaagctctaa gcaaattcta tacgacaatt actttttact cggatgtctg attgagtctc 240

gtaatatatc gagacgcttg aaattgaaaa cagatgctct gagcacattc aaaccacaat 300

aacatttaac tcggatgtct gatt 324

<210> 6234
<211> 482
<212> DNA
<213> Glycine max

<400> 6234

tagctacaca cacccctctc ataactaagc tcaccttctt gagaagcttc cttaagaaga 60

ttcctaaaga agctagagct tagctacaca tacctctcta atagctaagc tcacctcctt 120

gagatgagaa gctagaactt agctacacac cccctataat agctaagctc acccccatga 180

caaaaaacat gaaaatacaa aaaaaggtcc ttactacaaa gactactcaa aatgccccga 240

aatacaaggc taaaacccta tactactaga atggccaaaa tacaaggccc aaacgaagga 300

aaaacctatt ctaatattta caaagataag cgggctcata cttagcccat gggctcgaaa 360

tctaccctaa ggctcatgag aaccctaggg cctacccttg gatctctagc ccaatctact 420

tggagtcttc tacccaatgc ccttgcggga taggatggca tcagtacctg gatctttaca 480

tt 482

<210> 6235
<211> 417
<212> DNA
<213> Glycine max

<400> 6235

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agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120

atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180

acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300

aacataataa catctgccct aggaatggat gaatatttca gagtttcaaa ttgcaagagt 360

gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacaga tgttaaa 417

<210> 6236
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6236

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ataggatata aattatggat gttatcatgt tgatgctatt tgtgttttca tttcaaaact 120

tatcatggac ttgtgtaaat gtcttattga atttggactt gtgttatcaa ctttaatact 180

tcaattatta ttttggattt tggagtatga aataaacttt cttaatcaaa taatgttagg 240

tatatggtaa tatataatan atacatatat tattttgaat tttttatata tact 294

<210> 6237
<211> 465
<212> DNA
<213> Glycine max

<400> 6237

ggtatgccac tggttccaac ctctccatga tctgaaatgg ttcatataag cgtttggcga 60

gcttcaaatg agtggaaccc ttcatcgttg tttgtctata aggtcgtagt ttaactaaga 120

cccaatctcc gatattgaag ttgtgatctc ggcgatgctc atctgctatg ttcttcatgc 180

gtgcttgggc cttcatcaat ttttgcttaa gtaacgcgat tacttcctcc ctttgactga 240

gccactcatc cactgcttct atctgcgtag aaccttcgac ttagcgaggg taattgggag 300

gttttcatcc aaaggtgact tcgaacggag ttaacccagt ggttgagtga acggaggtgt 360

tgcatgacca ctccgcccac agcagataac gtccccatgt caagggtttg cgatgaacac 420

aggcgcgtag gtattgctcc accacacgat tagccacctc cgtct 465

<210> 6238
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6238

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agcctaactt ggcctacgag cctatttaaa agcctgctta aagacgtctt taactaatta 120

attgttttaa aacctagtaa aataataact aagaaagaaa acttataaaa tctgcgataa 180

gtaatgtaca aatccaaaga taattgataa acaaaatcat atgtgaattc aacttattta 240

aacacagagt atatcataag ataatgaaaa aaaaaacgcg taatattaaa aaatatatgg 300

attagagatg atttatacta atatagacaa ataaaaatat ttaaattgtc tgaaaatgtt 360

tttacaaaac attct 375

<210> 6239
<211> 482
<212> DNA
<213> Glycine max

<400> 6239

tttgcagata atgtcaaggc tccaccaatt ctgttgtatg tgttgtccgc accatggcca 60

ttatgaatgt gggggcatag atatgattgg ggaaattaag tccaaagctt cgaatgggca 120

tcatttcatc ctagtcgcta ttgattactt cactaagtgg gtggaatcca cttcatatgc 180

taatgtgact agaaatatgg gggttaggtt cacaaaaaag gagataattt gcatatatgt 240

gttgtggagc aaaatcatca atgacaatgc caccaacctg aataataaga tgatgcatga 300

gttgtgtggg gatttcaaga tccaacacca taattcgact ccttatcgac ccaagatgaa 360

tgatgcagtt gaggccgcca acaagaatat caagaagatc attcaataga tgacagtgac 420

atacatagat tagcacgaga tgttgccatt cgcattgcat ggatatcgaa cttctgtgca 480

ta 482

<210> 6240
<211> 422
<212> DNA
<213> Glycine max

<400> 6240

ctgccacata gaataccccct gcaaggacat acccctcatg tgtgaaaatc tctttgccaa 60

ccaagtaatc aacaaagtaa cttatcatat atggaccaac atacgagaca agagtagtga 120

caccagcaaa cacagcgtta caagccgcct ccttccagaa ggatttgaga agtgcccaag 180

ccaacgaagg ctgcccggat aggttttcag ccttcaacct ctcccaatta gaattcaaaa 240

ccttataatt tgtcttggat cggtctttcg gcgcaacaag gggaatgtcc ttaagctcaa 300

gcggccttttt tgccccaatg gaaagaagtg gattcaacca agacaaaatg gccaagctaa 360

aaagtccagc atcactataa ggagtaacct tgagacaccc gggatcctca tcaacaagca 420

at 422

<210> 6241
<211> 316
<212> DNA
<213> Glycine max

<400> 6241

tcaatatctt tctaacagta atgagtaaag aacttggcct ttttagcata aactctttca 60

taaacacatc ttcgagaaaa atataagaag ctaaaatgaa atgggtttct cccataagct 120

aaaataaact aatgtacttc aagttttgga gaagttaaat gagagaggct ttataaaagc 180

tatgcccttta agtggatttt acctatgaga gaggtctttt aattcattta ccttcttatt 240

tatcatcatt aaaggctcat catggaaagt ttatcaaaca tcaactcact atgactatgt 300

tgcttcaaat gtagtg 316

<210> 6242
<211> 275
<212> DNA
<213> Glycine max

<400> 6242

tgagaatgga gaattgcact aagcaatcac tacgcatagc ttcaatctcg aaagtggagg 60

acacatgaac gaatacgcaa ttcatgggtc tccgaaaaga ttgagaatgg agaattgcac 120

taagcaatca ctacgcatag ctccaaactc gatggtggag gacacatgaa tgataacgca 180

attcatggtg ctccgaaaag atggagaatg gagaattgca ctaagctatc actacgcata 240

gctccaaact cgaatgtgga ggacacatga acgat 275

<210> 6243
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6243

agctntgagc anaatcaaac gagcaataac tttgactcgg atgtccgaat gaatcccgta 60

atacatcaag acgcatctaa ttgataacgg aagctntgac caaattcaaa cgacaataac 120

tntctactcg gatgtctgaa tgtgccccgt agatatcaag acgctattat atgaaaaccg 180

atgctcgtag caaattcaaa gaacaataaa tntttacttg gatgtccgat tgtgtcccgt 240

agtatatcaa gacgcttgaa atttagaaca gaagctctga gcaaaatcaa acgacaataa 300

cttttaactc ggatgtccga tggaatctcg taatatatcg agactcacga aattgaaaat 360

agaagctttg agaaaattca aacgacaata attttgtact catgtctaac tgtgtcccgt 420

aatatatcga gacact 436

<210> 6244
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6244

tcaagaataa tggtctcatc anattattta ttntctgtta ggatttctat aaataggcct 60

tctattttta atggtgtggg ttaccattat tggaaaactt gcatgcaaat ttttatagag 120

gcaatagatc tgaatatttg ggaagccata taaatagggc cctgcattcc aactatggtg 180

gcaagaaata caaccataga aaaacctatg gaagaatgga gtaaggagga aaaaagatta 240

gttcaataca atttaaaagc caaaaatata attacatctg ctttaggaat ggatgagtac 300

tttagggtat caaattgtaa aagtgcaaaa gatatgtggg ataccctaca agtaacacat 360

gaaggtacaa cagatgtaaa aagatctatg ataaatacat tgactcatga atatgaatta 420

tntagaatga atccatatga gagcatacat gacatgcaaa aaagttcaca catataatta 480

atc 483

<210> 6245
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6245

agctntacaa cagatgtcac tctattctct agttttcaaa gggatatgta acaaggaaac 60

ataagtatat tcaccaggaa aacattgttg tggaaggaga atgtagtgct atgattcata 120

agatccttcc acccaagcat aaagacccta ggagtgtaac cattccttgt tcaattggag 180

aagtcactgt gggaaaggct cttattgacc tgngagtcag tattaactta atgccactct 240

ccatgtgcaa aaggttggga gagttggaga tcatgcccac taggatgact ttacaacttg 300

ttgaccactc cattaccaaa ccatatggag taattgaaga tgtgttggtc agagtaaaac 360

atattatctt cccgacagac tttgtgggta tggatatcta tgaagatatg acattcatga 420

atattg 426

<210> 6246
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6246

cgcagggata ttagcttaaa atgcttacaa ttagtttacc atggaattat gatttaggct 60

ttnttggggt atctgagctt gatggttcag ctttcctctt aattcccaaa aaatgctcta 120

cctgaatcaa ttaaaaaaaa aattttaaca gaaaaatgca aagctattcc acaaaagcac 180

tttttctaaa gcttaaacac gtcctaaatt acctttcgat caccaagtta aacattatta 240

acattaaaca ttaaacatag ttacttactt cttagcatgc caaaatcact ttttgccata 300

atcaatttaa atttttttaa aataggttct taatgcagcc ataagtcaac tctcttacat 360

catctttggt caatttcctt ctctcaaatt caaactcaag ttttgaaatg ggttgagtgg 420

atggttcaca gtcatgttcg ccaagccagt gaagtaagga tcagataatg cctgatatc 479

<210> 6247
<211> 406
<212> DNA
<213> Glycine max

<400> 6247

cacctgccgc atgcaagctt gtagggttaa agtctcacta tttgtatgtg ctcatgcaac 60

aattgttagc cgtggctata cgagacatct tgccaaacaa agtcatgtta acgataactc 120

ggctgtgctt tttcttccat gctatatgta gcaaagtcat tgatcctgtc aagtttgatg 180

agttggaaaa tgaggccgca attatactgt gccaattgta gatgtatttt tcccctactt 240

tctttgacat catgattcac ttaattgtgc atctggtcag agaaatcaaa tggtgtgatc 300

ctgtttatct acggtggatg tacccggttg agcgatacat gatgatctta taagggtata 360

tcaagaatct atatcatcca taagcatata tcgttgagaa gtacat 406

<210> 6248
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6248

agcttattcg agcctgtgat gagcagcagc attgtttgga acttacatac ttatacatcc 60

aatatgatga gtttgataat gctgcaacca ctgtaatgaa tcactcttct gaagcatggg 120

accacatgca attcaaagat attataatta aggttgcaag tgtggagctc tactataaag 180

ctgttcactt ctacttgcaa gaacattctg atantttaaa tgatcttctt aatgtacttg 240

ccctacgtgt ggaccacacc cgtgttgtgg atataatgcg gaaggtctgt atgtctcagt 300

ctgttttcta atgtgttaag tcttaatctt atnttggtga ggttaatata ccgttcgaaa 360

ataatttatg caatattctt atttgttgct tgatttttat ggtttttaag ctggccaca 419

<210> 6249
<211> 405
<212> DNA
<213> Glycine max

<400> 6249

ctttatagaa ggttcgttcc taatttctct acaattgcat cacctctcaa tgagccggtg 60

aagaagaatg tggcatttat ttggggtgaa aaacaagagc aagcctttgc tttgctcaaa 120

gaaaagctta ctaaggcacc tgttctagct cttcctaatt tttctaaaac ttttgagcta 180

gaatgtgatg cctctggagt gggagttgga gctgtattgt tacaaggtgg gcaccttatt 240

gcttatttta gtgaaaaact tcatagcgcc accctcaatc acttaagtac atttgagggc 300

aaagcaagtt taacaagagg catgcaaaat gggtagagta cctagagcaa tttccatagg 360

ttatcaaata caaaaaggga acaacaaatg tggtagctga tgccc 405

<210> 6250
<211> 409
<212> DNA
<213> Glycine max

<400> 6250

acctgcgagc tgcaagcttg ctcctctctt acacctgcag atgtattcta gtttctcaca 60

cgagatttta tgttgagtaa agctcgatcc agcgatctct tttgggaagc tgtttggcct 120

cttctgttag caaaaggctg gcgttctgaa cagcctatag atcaagttgt ttgtggatca 180

aaacaatctt tggtttttct tgtacctggc gttaacaaat gttcaagaag gaaactgata 240

aaaggtgacc actactttga ttctataagt gatgttttga ataaagtaac atctgaccct 300

gtgcttcttg agactgaaag tcaagcaact gacggcagtg tatataggga aaaaacataa 360

tacaacgaga cctatagggt gtgccaaata tggaacaagt tcattacct 409

<210> 6251
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6251

tcagataaac catagaatct ggcgataggt gcagattntt tattcatggc cagttgggtt 60

accaggttaa ccaaggcatc tagtttacct tcaagcttct tagtctcacc tgatgaattc 120

gtggctattt catgcactcc tctaatgaaa atagcatcac ttctggcact aaattgctag 180

gagtttgaag ccatcttctc aattaaattt ctggcttcag caggggtcat gtctctaagg 240

gctccaccac tagaagcatc tatcatactt ctctccatct tgctaagtcc ttcataaaaa 300

tattggagaa gaagctgctc taaaatctgg tggtgagggc aaatggcaca taatttctta 360

aatctctccc aatattcata taggctctct ccactgagtt gtctaatacc tgaaatatcc 420

tttctgatgg tcgtggtcct ggaagcatgn gaaaagtttt ctaagaatac tctc 474

<210> 6252
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6252

cgcttgcata tcctntgata aaccttcgat agtatctcag tgaggcctaa gaaacctctt 60

agctgcttga tattgagtgg tgtaggccac tctagaactg cctgcacctt agtagcatcc 120

atagcaactc cttcacctga aactatatgt cccaagtact ctatctccaa tacaccaaaa 180

gagcatttag acaacttagc aaacaaaaca ttttctttca atactttgaa tacaacctct 240

agatggcata agtgttcatg ccatgtggaa ctatatacca atatatcatc aaaaaacact 300

aacacatatt tccttatagc atgttggaaa atatggttca tgaaacactg aaaagaagtc 360

ggagcattgg ttaaaccaga tggcattatt gtgcaaaatt ttgactatga tatggcaaaa 420

ttgccttatt ggccagaatt tgtttattgt tgcagcgaaa atttctttat ctgctggtta 480

<210> 6253
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6253

agcttataac aatatatttg tctactcacc ttttttttca ttttcctact gcaacctctc 60

ttcttcactc taatgacagt aaaaaaattg tgacaaactc cgtaaaaaaa agtgaaaaat 120

gaagatttgt catagatgaa aagggataaa aacttgggtg gttatgggat aaagaaaaag 180

cacggcaaga acgggctttg gaaccatttc caaaagctct tcatctaagc cataaacgtc 240

acagcattct gcctcatcct ctcgaagccc aagcccccaa aggaattgca aatcacccaa 300

atcattatac aacttcaatt ctttcgacga tacctttgca ctngtcattg ccctcctttt 360

atactc 366

<210> 6254
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6254

ctaagctgct tctacatgga tgacctcctt taaagttccc aacaaaacac tcactatcct 60

aagagaaaat tgcctaaaat tattacacaa aaatggaagt agggtgacct attggaggct 120

cccaacttac ttccaatgaa aggccttttt gttacaaaat ttgaaagcaa agcaaattgc 180

caattacaaa aagaaagtcc tcaattgtgg tggctattct ctctttagtg tttcactcaa 240

ttgtggtggc taaaccaata gagttttaac aagaaaaatt ntcaaggatt attcaacaat 300

taaagcaatg aaaagcacac aaaagcaggc taggacccaa agagaaacct agaatggctc 360

tagagtagag tagaanaacc aaaaaaaaga ctgaagaaac ctctagtttt gacacttttg 420

tttcacaata atttca 436

<210> 6255
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6255

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gaagaagatc aataaaatct tggtcctcta cttcggctcc atcttctttt gcaattntct 120

tcttttcttg atgctctctt atgatgtttt ctaagacctt gtccacctgc ttgtgtaact 180

tcttcaattt ggccatcttt ccagttatga aatataaaaa tggaattgaa ggaaacacgt 240

cagcaaggtc aaatcctccc ccggattcta cgatttttcg gatcaaagac acaacaaact 300

catcttgctc cttgtatatg ccaccaaatg ctaccctgga aatagaggca catatcaatg 360

agaaaanttg actggtgaga ttgattgggg aacctgctgc ttcgcgaatg gagttgataa 420

actttg 426

<210> 6256
<211> 486
<212> DNA
<213> Glycine max

<400> 6256

ctaacactga tgactgtccc aacatagcca cagagtatgg aatcataagc atagcaactg 60

ttctgctctt caaaaatgga gaaaagaaag cgtaattggt gcagttccca agtccacctt 120

gtccgcagca gtggataaat atgttgatgt ctaaaactgg aaaggaaaaa aaatgttata 180

ataaggaaac gcttgatcat aaattataga ccatctttca ttttatggtt ttcaacactt 240

caaaaaagta ctttgttgta tccacatctt ttataacatt ttgtaaagat tacattgtat 300

aaattcccga tggagggaaa tcttcagtcc ttcttctctt ctctgttgtt ccttctgcca 360

tccattgcaa ttcacttccc attttcgatt actgaaccaa taatctatct tgcaatgtta 420

atttgaaacc ataactccag gtttgtgagt aaattgaaat tccaatgtct tcatgggcct 480

ttctag 486

<210> 6257
<211> 476
<212> DNA
<213> Glycine max

<400> 6257

ctaagctatg ctgcaacatt tatatagacc tcctcagcag caaaaccaac tttagcagaa 60

taattatgac ctttcaagca atagatacaa tccaggttgg aggaatcatc caaatttgag 120

atggacaagt cctccacaac aacaacagtc tgttcctcct ttccaggatg ctgctggtcc 180

aagcaagcca tatgttcctc ctccaataca gcagcagtca caataaagac aacaagagac 240

tgaggctcct cctcaacctt acttagaaga gttagtgagg caaatgacca tccacaatat 300

gcaatttcag caagagacaa gagcctccat ttagagtctg acatatcata tggggcagat 360

ggctactcag atgaaccaag ctcagtccca aaattctgac aaattgtctt cacaaaatgt 420

gcaaaattcg aaaaatgtga gtgccatcac cttgaggtct ggcaaccaaa ttcaag 476

<210> 6258
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6258

agcttactct cttcaggcac tactatgtcg tttttatctg ttacatttac ttcaccaggg 60

ttgtcgttta tgccttggag actattacct cctatcgtta ttcttggacc agtgtggttg 120

ctgctgagtt ggccacccct gctttctatt tgtttactgg ctacaagttc aagccagagg 180

ctcacaattc gtattttgtc atcgatgacg aagaggaata ggctgccgca gaggccttga 240

agcttgaaga tgaatttgaa ttgtaatttc tttcanaata caaacatagt tgttgaacaa 300

gttggtacca tgctcagcaa tgctctcacg tttcatctca acagccagta gaaatttgca 360

tgttacattg tatgggtata gtcattattc atgaatcatt gtgctatatt ttgtgttctg 420

gactcat 427

<210> 6259
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6259

agctntacaa cagatgtcac tctattttat attttcaaag gatatgctaa caaggaaaca 60

tatgtatatt caccaggaaa acattgttgt ggaaggaaat tgtcgcgcta tgattcaaaa 120

gatccttcca cccaagcata aagaccctag gagtgtaacc attccttgtt caattggaga 180

agtcactgcg ggaaaggctc ttattgacct gggagtcaat attaacttaa tgccactctc 240

catgtgcaaa aagttgggag agttggggat catgcccact aagatgactt tacaacttgt 300

tgacccctcc attaccagac catatggagt aattgaagat g 341

<210> 6260
<211> 465
<212> DNA
<213> Glycine max

<400> 6260

tggagtggtg aaccacctga ttactcagga ttgaatgtgt ttgtatcact ggcctttgct 60

catgttaaac aaggaaagct tgatgcaagg gctgtaaagt gtgtgttcat tggctatcct 120

gaaggagtta aagggtacaa actgtggaac ctggtgagtc aaaatgtatt atcagtaggg 180

atgtaacctt tgatgagagc agaatggcaa tgctgagtaa ggatcagaag gataacagct 240

caagtaatga gagtactaaa tttgaggtga agcatttaga gttttttgat catgtcagtg 300

gagatactat tgatcacact attcaagcag taattggtga taatgaagaa ttggctacta 360

agcatgactt gtccaattat caattggcta gagatagagc aaaaagggtg ataaagccta 420

caaagaggta tggtcatgct gacattatct gctatgcctt gaatg 465

<210> 6261
<211> 425
<212> DNA
<213> Glycine max

<400> 6261

agcttgtccc acttcaatga catctttctt attgagatta tccttaggtg gaagcctcat 60

tttaacgatc cttcaaacaa aaagtataac cttggagggg acattcaact cccaaataaa 120

ggagtacttg ttgggaataa atatgtatat ccaaaatcca atccatcata ttatcaattt 180

tagtaaaaaa ttattcttta ttgtattatc atatatattg cttcattaaa ttgttaattt 240

gacaagtctt tgattaaaat tagaggtttg ttatcatgat aaagaatatg atgataagaa 300

ataagtcctt tataatttta atctaaattg ttcttgatcg taagattatt gtgaatagga 360

aatcaataat ccgaatagat taatatatat gtaatgatct ctattggata aagaataata 420

aattt 425

<210> 6262
<211> 446
<212> DNA
<213> Glycine max

<400> 6262

ataagatccc tggctttgat gataatatag gggtccctag tcttcctgtt gtttgaaaca 60

gtcatggaac cctcaacctg tgcattgtca aaatcgaagg cgaagttagg gtttttgatt 120

gaaactagag gaggaaaaag agaatgagta acagagtaag gtagttacga ggttgagttc 180

gcaagcaaca ccgaactcct tgagtgagga tttgaccatg ggccaagctt cttggaggta 240

cttttcgcgg tactgaggga agagagtgga gaaggagcta acttcaagca tgccgccgtc 300

gttccacgaa gggtcgaact tgttgatctt ccagtggtcg atgtttgggt cgtcgtccca 360

tggctttggc ttgtcgtgct ttccctttcg cttctccttc tgctcaagtg atcgaggttc 420

ttcttctacg ccattctcct cgtctg 446

<210> 6263
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6263

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gatcaataac aatgcctata ggttggacct cccagaagag tatggagtca gcaccacttt 120

taacatttct gatttaactc ctnttgtagg tggagctgat attgaggagg aggaactaac 180

agatttgagg tcaaatcctc ttcaagggga aggggatgat gcaatcctcc ctaggaaggg 240

accaatcact ataaccatga gcaagaggct ccaagaagat tgggctatag ctgctgaaga 300

aggccctagg gttctcatga accttagggt agatntttga gcccatgggc caaggttggg 360

tccaattatc tttgtacata ttagactagg atgtcattat atgtggtcct tgtatttaag 420

gctccatatt gtaggtaggg taccctagaa atat 454

<210> 6264
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6264

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atgaattagc ttacaaagtg ggttattaca attggttata tagttagtta taagaacaac 120

taactcacaa ctaactaaac taactctagc tacatagtga ttaaccaact aagctaactc 180

tagttacaag tggatctacg ataagagatc ttttcaagct aggaatggac atcagacatt 240

ccttgcttga aatacagaat ctggaaagtg ctaggcatta aagccttagt gtagatatat 300

gctaattggt ttgtagaagg gataggaaac aacttcacaa tgtgctagtc aatctcaaca 360

tgctttgtcc tttaatgaaa cacgggactt gcaactatat gaagagcaga tttgttatca 420

cagtacaagg taggagggtg cagganatca attgtaaacc cagcaaatag ttgagccatt 480

gtagcttaga agt 493

<210> 6265
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6265

agcttggtcc aagtttctca aacacctgtt gtaaccattt gaattcaccc ttaaccccca 60

ttatgtatat tggggaaatc aatccatcac aaatcaatca aatacttaca atacagatat 120

gattacgata gtcaaaccag ttccgtattt gcacacaact gcaaggaata aacccattta 180

accaatgcaa tggaatcaaa tatggtatgt catactggca tatataacat gtaagaaaag 240

tttcaggtca aaatacttac cgattgctac ctttatcgtg tttcccaagc tgttgcaata 300

cctcaatttc tatcatggct gcctctcgat acttctttat cccacggaca atntttatgg 360

caaccatttc cttcctttct ctgtcccagc actccaagac ctgcccaaaa gttccttcgc 420

ccattntact atggatc 437

<210> 6266
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6266

tcaaaggact ctatagggct tgaaacaagc tattatgcaa tggtttgcaa gattatcatc 60

ttttcttaag tttgcaagca atgtgctttt gaccattctt tgttcattaa gcatggttgc 120

aacacaattt ttgttttatt ggtttatgtt gatgatattg tcttgttagg aaatgatttg 180

cctgnaattt agagaattac aaatctactc gacaatgctt tcaaaatcaa ggacttagga 240

gacctaaggt actttctggg gtttaaggta gctagaagct ctactggtat aaatctttgt 300

caaagaaagt atgcactata tattttcaat gatgttggca tgcttagttc taagtcagct 360

tccacacctt gtgattatac caccaagttg catcaacact catggtcacc tcttatcaca 420

gaatatgctt nctcctatan gagattaata nggagattga tctatcttga ccacac 476

<210> 6267
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6267

agcttgaaat tgaacaacgg aagccttcta tatattcaaa tggtcataac ttgtcacacg 60

gaagtccgat taacgcgcag actatatcga gacgctcgaa attgaacaac gaatgctctt 120

gagaaattca tatggccata acttgtcaca cagatgtctg attcaggcgc ataatatatc 180

gagacgctcg aaatctaaca acggatgctc tcgacaaatt caaatggtca taacttgtca 240

cacggaagtc cgattcaggc gcataatata tcgagacgct cgaaattgaa caacgaatgc 300

tatcgagaaa ttcanatggt cataacttgt cacacggaat acagtggaga aattcatatg 360

gtcataaact tttgaacgga agtctgattc acgcgcataa tatatcgaga agcttgacat 420

tgaacaac 428

<210> 6268
<211> 471
<212> DNA
<213> Glycine max

<400> 6268

tatgtaccca ccatggtggc tggaaataca acaatatata ttctcttaga agagtggtct 60

gaagaagaaa gaagattatt gcagcacaat gtataggcta aaaaaatcat tacttctgcc 120

ttacgaatgg atgaatattt tatggtttca aattgtaaga gtgctaagga tatgtgggac 180

actctacaag ttacacatga gggaacaact aatgtcaaaa gatctaggat aaatactgta 240

actcatgagt atgaattatt tacgatgaag acaaatgaaa gtatactaca tatgcagaac 300

agattcacac atatagttaa tcatcttgca tcattatgaa gaacttttct aaatgaggat 360

ctcataaata aagtgttaag atgtttaagt tgagagtggc aaccagaggt tatagccatc 420

acagaatcta gagaattgtc tattaatgct ctcgctactc tatttggaaa a 471

<210> 6269
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6269

tagagccaat tcaaacgaca ataactnttt actcggatgt ctgattgaga ctcgtaatat 60

aacgagacgc tcgaagttaa atgtttaagc tttgagccaa ttcaaacgac aataactttt 120

tactcggatg tttgattgag tcctgtcata tatcgagaca ctcgaaattg aatgttgaag 180

ctctgagcca attcaaacga caataacttt ttactcggat gtgtgattga gtcccgtcat 240

atatcgagac gctcaaaatt gaatgttgaa gctctgagcc aattcaaacg acaataactt 300

tttactcgga tgtctgattg agtctcgtaa tatatcgaga cgctcgaaat tgaatgttga 360

acctctgagc aaattcaaac gacaataact ntttactcgg atgtctgatt gagacccgta 420

atatatcgag acgctcgaaa ttgaatgttg aagctctgag 460

<210> 6270
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6270

agctngngca agatgactaa ggcaccatgg actgtggccc taagccagag gatatgtgca 60

tgccaccaaa gtgtgcctct ttggcctgta agagtaaagt tatagactta tgcctggccc 120

ggttgaattg ggcactgngt tatgtatgct ggcccatcag cccaacctgt tctcaagtgt 180

ctgacaccat tcatgttcaa tttcaattca ctttataatt tttgcatacg taatactaat 240

aactaatgaa gaaagcactc actgcctatc agtttcgtat atacagttgg tagttaatgg 300

tttaatttac tggatattaa atcatgtaat ttacaattca attgatcaat gaagaccatt 360

agatcaatga aactaaaaca tatgggatgt tcatttggtc ttacgaaaga tcatttcatt 420

tttcgtc 427

<210> 6271
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6271

cactagagag cttctaagta tatgacatgt ccaacttgta cgttttatat ctaatgtaca 60

ttctacanaa tcagaatcta aaaagcctgt taagtataag gaggtacctc tgggatacca 120

caaacctaca ttggttgtgc ccttaagata cttaatgatc cttttaacaa cagataagtg 180

aaattcctta ggatttgatt ggtatcttgc acataagaaa acactaatca tgatatctaa 240

tctacntgta gttaggtaga gaagtaatcc aatcatactt ctgaatcttg attcatgcac 300

tattttacct ttctcatcta ag 322

<210> 6272
<211> 346
<212> DNA
<213> Glycine max

<400> 6272

cagcttaagc tggcaagctg ctctaaccaa atattcctcc agtgatcaag cattccatac 60

caaaaaacaa ttcaagtatg agcaccaagc cttatcaaaa gcagcaagct gagatctgaa 120

ggtacaaagc ttcatgcatg gatgctgaga cagactcttc atcagacact tgtattggac 180

catctagtat aatctttatc aacaactcaa acatttggac aaactcttgt gcacatattg 240

ctagagaatt ctcacattct cccattccac tgaaaacggc atctggatga cccaatatca 300

tataaccaca aagaacaact ctcacaggat accttgataa cctaac 346

<210> 6273
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6273

tcgtgtattt caataatgag atcttgtgct caagaaagct ttatctttcc aacccgattc 60

taggagcaag tggacgccta attacgaatg cccatatgtc gtcaagagaa ccttctctgg 120

tggtgcactg actcttacga ctatggatgg agatgagctc cctcgttctg tgaatgcgga 180

tgcagtcaag aaatactttg tctaaaaata aaacaacagc tcggtaagtc ataacccgaa 240

agggcggctt atgcanaaat gagcgtctcg gtgggtcgaa aacccgaaag ggcggcccag 300

gcgaaaatta tagacatcat acagaagaat aatcagcctg atatgtcgaa tacccgaaag 360

ggcgatctat gc 372

<210> 6274
<211> 209
<212> DNA
<213> Glycine max

<400> 6274

atgtgtcggg atgatttctc caaatgtacc tgagtaaact ttatcagaga gaaatcagaa 60

acctctgaag tattcataga gttgagtcta agacttcaaa cagagaaaga ctgagtcatc 120

tagagaatta cgagtgacct ttgctgagaa ttagagtaca gcaggatcac tgaattctgc 180

acatctgaat gcatcacaca tgaattctc 209

<210> 6275
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6275

cttcttatac caatgtgacg aggagtgtgg tggtcagatt cataaagaac gaactgattn 60

gtcgatgcgg actccctatg aagatcatta ctgacaatgg caccaatctg aacaacaaaa 120

tgatgcatga gatgttgcct tntgccttgc atggacaggg ctgtggaggc tgataataaa 180

tatattaaga agattataaa gaagatgacg gtgtcataca tagattggca tgagatgttg 240

cctgttgcct tgcattgata tcgaacctcg gtacatactt ctactggggc aacgccatac 300

ttctctgttt at 312

<210> 6276
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6276

agttatgacc atttgaatnt cttgagagct tctgttgttc aatttcgagc ttcttcatat 60

atcatgggcc ttaatcatac acccgagtca naagttatgg ccgtttgaac ttggccagag 120

tttttgtgtt ccatttcaag cgtctcgata cattattggc ctgaatcaga catccgagtc 180

attagttatg acagttcgaa tntgccaaga gcttccatgt tcaatttcga gcttctcgat 240

atattatgtg ccggaaacgc acattcgagt ganaagttat gaccatttga atntctcgtg 300

agcttccatt ggtcaatatt gtgcgtctcg atatatcata ggcctcaatg aaatacccga 360

gtcacaagtt at 372

<210> 6277
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6277

gagttttact ctctagtaat cgattaccag tttactgtaa tcgattacca gtgacaagtt 60

ntattntcaa anagctntca actgaattta taatgtttca atcaatttca aaatggtgta 120

atcgattaca atatattggt aatcgattac aagtgtgtct gaacgttgaa attcaaattc 180

aattgtgaag agtcacatcc tttcacaaaa atgctgtgtc gtaatcgata caatgatttg 240

gtaatcgact accagtgata agttttgaat agaagtcaaa agatgtaact c 291

<210> 6278
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6278

tcttcatgga tggatntgct cctttgacat ctcgtggctc tcagcaatac aaggccttga 60

gtgtgccaga gctgacacag catatgtggg attcaaagaa catgatgtga gctgctgacc 120

ctcgacatgg acgctacctc actgactcag ccatgtttag aggcaagatg agcaccaagg 180

aagtctacga acatatgat 199

<210> 6279
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6279

aactacgtac ganagctatc tagacatcgc ccgtttctaa tagctcatca cccttacgga 60

agaatgaaaa aagaatttaa tggaagtcaa gagcacgaaa ctgcgcggat accgttaact 120

ggtgagcagg tcttccagcg gattgaacac cttaatacta tattgggaca gacccaaaag 180

aaggataaaa gtaagagttg catatggaag aagatgntcc atttctttga tcttccgtac 240

tggtctgaac tagatgttag acattgtatt gatggtatgc atgtagagaa aaatgtatgt 300

gacagcgtca ttgggacact ccttaacatt catggcaaga cgaagaatgg tctaaatacc 360

tgtcaagatc tagctgacat 380

<210> 6280
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6280

gttgtatggc ttgaaacaag caccgaggca gtggtacata gaagttaatg agtntatgag 60

caactcagga ttcataagat gtgacatgga ccattgctgc tatgttaaaa aatatactaa 120

tagttatgtt atccttgttg tgtatgtnga tgacatgttg atngcaggat ctagtatggc 180

agaaattaac aggtngaagc agcagttggc agaaaacttt gaaatgaatg atcttggtcc 240

agcttaacaa atccttggta tgagaattct tagaaacaga tcagaangga atttgaagct 300

gtctcaggag aaatatatac acaag 325

<210> 6281
<211> 310
<212> DNA
<213> Glycine max

<400> 6281

tctggttgtt tctggtgcgg agatgatggt acagcgggtg aaccagaagc ggaagtttct 60

tttggtgagg tagccatgga aaagcagagc agttggaatg atttcgtaaa tttcagaagg 120

ctattgtgaa atgctggtga aaacacgaat gccaagcaga tataaatttg aatgaagaat 180

gtagagggtc gtgtgaagca acggtcgaca tttccttggt tcagtagtga acgcgctatt 240

aatgttaagt gattcgttcg ggcacgttca gattgctgta gttgctataa ttcctctagc 300

acacaaatgc 310

<210> 6282

<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6282

gcttaagctc cttcaactgc acaatgctct taatatttga agagtatcct tgtgtaacct 60

tcacccgacg aagacactga caaatactta tcttctcctt cttggacaaa gtatggcagg 120

ctggggtgca agtaaatttc ttcccatcag acgttggatg caactgtgat cgtataccca 180

tatcagttag atctcgacgg gtattcaagc catccttcgt cttgccttga atggtaagga 240

gcgtcccaat cacactatca caaacatctt tctccacatg aataacatca atacaatgtc 300

taacgtcaag atcacaccag tacggaagat caaagaaaat ggacctcttc ttccatatgc 360

aactctgact nttattct 378

<210> 6283
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6283

ttaagtcacc tgagctgcag ctaagattct tactctttcc gagattggat caaacgatta 60

atcttcttcc actggaagga atcagccaga tggtggagta ttccatccca atctatccca 120

tgtgcatgcc atgtaagtta tgttgcataa tctgcattag caaacaaacg cctaaacctt 180

ggaatgatca gaagatacta ttacaccttt gctaggggggc ctttctttgt gctttcatca 240

ctgctgaact catcatcatc cttcactttg taccatgata ccccacacct ggggcatnta 300

tggagttctt caaactcatg tctgtgcaat atgcaatcat tatagtattc atgtattttt 360

tatactccat acccattaga cacaatatct tcttcgcctg ataataactn tntggcaaca 420

tgttttcctc tggaacacat gctaca 446

<210> 6284
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6284

gcaaataacc aactgataat tgccttcttt ttgtttcctt atcaacggaa gctgcccagt 60

gtcttcaagc atcaaatcaa tacaatgagc tgcacaagga gtccaataaa tatgttttct 120

tntatccatc aacaacttac ccgctaaaac atagttgctc ccaatatcag ttacaacttg 180

aacaacattc tcttctccaa cttcctccac aataacatca agcaactcaa aaaacttttc 240

agctgtctnt acaaaatcag aaccatcaac agacttcana aacatggtac cagcttgaga 300

gtaat 305

<210> 6285
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6285

atcttaagtc accgccgctg cagcttgagt cttcttatct cttcccaaac ttattctttc 60

ctatgccacc catgtaactn gttgcaccag gaactnggag catccactac aagaagcgaa 120

agtaaagggt aaattgattt gatcaaagct actatagatt cagagtatta ctaagtacta 180

acaaggtaga tacatacttg agcaaccttg attgaattat gagtggcacc ttccagcaca 240

caaacaaaaa agaaatagta gaagctgtca ttatgacata tgcacttcca ctggtcattn 300

tataaagttg gcttatgata tntaaatatt aaagcaatta tatagaatcc aatactccgg 360

atctaatgca atacctccaa caatggtgct cacattatat atttt 405

<210> 6286
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6286

gatgtagttg gacaagtggc ctcaataact taagaggagg ggtcaattaa gtcttacaaa 60

atttcccacc aacaaatctt atcccccttt taaattatat atgataggct cagaatgcag 120

aagaataaga agaaacaatc catttaacaa tgttctctta catgcgcaag ataaagtaaa 180

ctgcagtata ataactgaga taacggaaga gagacatgca nactcaatnt atactgtgtt 240

agccatttcc catacctatg tccagtcctc aagcaaccca cttaagattt tcactatct 299

<210> 6287
<211> 278
<212> DNA
<213> Glycine max

<400> 6287

ggatcccatt tctaccaact acaaacccta agaaaactat attatctaca caaaaaagac 60

acttctctat atctgcatag agggtgtttt tcctaaagac tgaaagaact tgcctgagat 120

gtcctaagtg atcatctatg ctcctactgt acactaaaat atcatcataa taaacaacta 180

caaatctacc tatgaaatcc cttaagacat gatgcataag cctcatagag gtgaatggtg 240

cattagtgag cccataaggc atcactagcc actcatca 278

<210> 6288
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6288

acctgaactc aggatgtgtc tcatgcattt tactcaacac ctggttcaca ccagtttgag 60

aggaacttcc aatgagctct taanaaccgt ggatactgcc caacaacata cctgccaaca 120

aaaagatata ttattaaaag aaacagaact aaacaagcaa aacacagcaa gatggaatgt 180

gtgaataatc cttacatgat attactcgca ataaccagct tgttatcttn ttcctttgtg 240

atttcacata nggttaataa atcgcgaatg 270

<210> 6289
<211> 160
<212> DNA
<213> Glycine max

<400> 6289

tttcttccta cccgagactc attggtcgac tcatatacct caataacact cgtcccgaca 60

tcgcgtacgc aatacaacag cttatccaat acatgtctag tcccacggat gcccatctgc 120

aagcagccta ccgcatatta caatacctca agggcacacc 160

<210> 6290

<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6290

agcttctagt gggacatctt gacttgctnt ccaatctgac attcaccaca gattctgcct 60

tcttctattn tcagatagag aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta gctggcttct tggggtgtcc ataggtaaca attgtgcttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactgt 300

gtgaagttta cattgaatcc ttcatcacac agctgact 338

<210> 6291
<211> 448
<212> DNA
<213> Glycine max

<400> 6291

gacactataa atctcagctt ggtttaaatt tcgagcgtct cgatatatta cgggactcaa 60

tctgacttcc gagtgaaaag ttattgtcgt tagaattagc tgcgagcttc ggttttaaat 120

ttcgagcgtc tcgatatatt acgggactca atcggacttc cgagtgaaat gttattgtcg 180

ttcgaatttg ctacgagctt cggttctaaa tttcgagcgt ctcgatatgt tacgggactc 240

aatcggactt acgagtgaaa tgttattgtc gttagcattt gctgtgagct tcggttgtaa 300

aatgcgagcg tctcgatata ttacgggact cagtcagact tccgagtgaa atgttattgt 360

cgatagcatt tgctgcgagc tacggtttta aattttgagc gtcttgatat attacaggac 420

tcaatcggac tttcgagtga gatgttat 448

<210> 6292
<211> 432
<212> DNA
<213> Glycine max

<400> 6292

agcttggtag caaattcgaa caacaataac ttttcactcg gaagtctgat tgagtcgtgt 60

aatatatcgt gacgctcgaa ttttaaaacc gaagctcgta gcaaattcga acgacaataa 120

catttcactc ggaagtccta ttgagtcccg taatatatcg agacgctcga attttaaaac 180

cgaagctcgt agcaaattcg aacgacaata acatttcact cggaagtctg attgagtccc 240

gtaatatatc gtgacgctcg aattttaaaa ccgaagctcg tagcaaagtc gaacgacaat 300

aacatttcac tcggaagtcc gattgagtcc cgtaatatat cgagacgctc gaatttttaa 360

accgaagctc gtagcaaatt cgaacgacaa taacaattca ctcggaagtc tgattgagtc 420

ccgtaatata tc 432

<210> 6293
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6293

agcttctaaa ctntgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa gaaggggggg gttgaattaa gatattccaa actgtttccc ctaattgaaa 120

atctattttt ctttttactt aagttatgaa ttcccttaat gacaatcttc ttaaatatta 180

attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240

aagagaaaat gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300

tccccaagca acccgcttga gagttccact aacttgtaaa ttccttttac aagttctaaa 360

cacacaagga caacccttcc tttgtgttta gatatctntt acaacaagag actcacagtc 420

tcttaatccc ttagagaatg agaagaaga 449

<210> 6294
<211> 439
<212> DNA
<213> Glycine max

<400> 6294

ccttgctcta aagataagtt acagcctgtt tattggtcac attatgatgg atacgtgaat 60

agggtttaat catatcccat gttttggtga acactagaca ctagataaca tcattgagtt 120

atcatgtcct atatttgacg cggaccaaat atttatagga taggatataa attatgttca 180

aatgaaaaaa ataagatttc aataaaatta catataattt ttaaaaatgc aacttttaat 240

ttaattttta caaattataa aaagattaca atttaactaa attatacaaa attattttta 300

attatgtatg acgtaatttt taaagttata gaaaaaattt atataagatt tttaaattta 360

taattattgt tcaaataaga aaaatatttg aataagaaat agttagtttt taatggaggt 420

tcattctctg tccaatggg 439

<210> 6295
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6295

agctngtaag gtagccataa aggagcttga atcccaccat tcttgatgtg gagaagaagt 60

aggtgatgaa gatactagtt gcaggatcat ttatcccatt tcagatagca cttgggtttc 120

acctgtccaa gtggtcccta agaagtcgag caccaccgtt gtgaagaacc aggataatga 180

gttgatcccg aatagagtgg ccaatagttg ataagtttga attgattata ggagacttaa 240

ctaggaaaat tgtaaggacc acttccctct cccattcatt gatcaggttc tagagaggtt 300

tgtaataccc tgagatatta taagttataa atcaatgttt aattggatnt attgtgttgc 360

ttgactatat gatagac 377

<210> 6296
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6296

agcttgtaga agcaaaaggc cagctatggt cttcaaggtg tgatttgaaa aggcctatga 60

ctcagtctca tgggcttttt tggattatat gctgtaaaga atgggttttt gtctcaaatg 120

gagacactgg atttctgcct ctctcaattc agcaaccatt tcaattcttg tgaatggcag 180

tcctacaaag gaatttgctc ctactagctc ctactagagg cttgaggcaa ggggaccctt 240

tatatccctt actcttcaat atagttggag aaggcatcac tggattgatg agggaagcaa 300

ttcacaagaa tttatatcga agttacatgg ttggaaagaa aaaggaaccc attaatattn 360

tgcagtatgc ggatgacaca gtat 384

<210> 6297
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6297

ctcatcttgg tggtgaagct ccttcttctt tgctcatctt ttcctccatt aagcatcctc 60

tagcttgctt tttttgtgct tttcattgct ttaattgttg aataatcctt ggaaatttgt 120

cttgttaaaa ctctattggt ttagttttca tttcattttt ttttgtcttt ggttattgct 180

tgtctctttg tttccttgct tgtgagttgc catataggga attggaaagg agtattggtg 240

ccatatcttg aagaatttga gtaaagaagc aaggggccaa ccaccttaag agctattgga 300

ctaagaagca ctccaaattg agtgaaacac taaagagaga atagtcacca caattgagga 360

ctttttttttt tgtaattntg taattgacaa tatgttttgc tctcaaattt tgtaacaaaa 420

aggcctttca 430

<210> 6298
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6298

gnaagctcct tccacagcac acagctctta agatttgttt gtatcctcgc ggaaccttca 60

cctgacgaag acactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120

ggggcaagta aatttttcttc ccatcacacc ttggatgcaa ctgtgatctt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagca 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaagatc acaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360

tctgactatt atccttcttt tgggtcttcc caaatacagt gttcaggtgt tgaacccgct 420

gatatacctg ctcaccagtc aat 443

<210> 6299
<211> 406
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6299

agcttgctgt cgtcacgggc ccgagtcttc ttgtctattg ggttgacatc atgacccatt 60

taaacttttt ttttccggtg aagacccata tcaaggtttt ttaaaaatat attttatgaa 120

ttaatttaaa attaatggcc ccgtgacttt taagttatta acacaacact ttaaccaact 180

gaactaataa gataattgtg ttataaaata attaatgtcg ttatatataa cactaaaatt 240

tataatgtat atttaataca catgcaaatn tacataataa aatttaatgc accaaaatta 300

aatgtcacan aaattattat gtaaatntac atgtgcatta tatatacatt agaaataaaa 360

aaaaataatt tgtaaacatt tttaannttt tttttaaaat gaatcc 406

<210> 6300
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6300

gtcagcagat tcaaacganc aataaatttt actcggatgt cttatatatg tcccgaatac 60

atcgagacgc tcgaaattga atgttgaagc tctcagcaaa ttcaaacgac aataactttt 120

tactctgatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180

ctctcagcta attcaaacga caataacttt ttactcggat gtctgattaa gtcccgtaat 240

acatcgagac gctcgaaatt gaatgttgaa gctctcagca aattcaaacg acaataactt 300

tttactccga tgtctgaatg 320

<210> 6301
<211> 433
<212> DNA
<213> Glycine max

<400> 6301

taaacattca acttcgagcg tctcgatata ttacgagtct catatcatac atccgagaaa 60

aaagttattg tcatttgaat ttgctcagag gttcaacatt caatttcgag cgtctcgtta 120

tattacagga ctcaatcaga cattcgagta aaaagttatt gtcgtttgaa ttagctcaga 180

gcttccacat tcaatttcga gcgtctcgat atattacggg cctcaatcag acatccgagt 240

aaaacgttat tgtcgtttgg attggctcag agattcaaca ttcaatttcg agcgtctcga 300

tatatgacgg gactcaatca aacatccgtg taaaaagtta ttgtcgtttg aattggctca 360

gagcttcaac attcaatttc gagcgtctcg atatattaca ggactctatc agacatccga 420

gtaaaaagtt att 433

<210> 6302
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6302

agctttgagc caattcaaac gacaataact ntttactcgg atgtctgatt gaggcccgta 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgag acaattcaaa cgacaataac 120

tatttactcg gatgtctgat tgagtcccgt catatatcga gacgctcgaa attgaatgtt 180

gaagctctga ggaaattcaa acgacaataa ctttgtaccg agatgtctga ttgagtctcg 240

tcacatatcg agacgctcga gaatgaatgt tgaagctctg agctaattca aacgacaata 300

actttctact cggatgtgtg attgagtcct gtcatatatc gagacgctcg aaattgaatg 360

ttgaagctct gagccaattc aaacgacaat aactctttac tcggatgtct gattgaggcc 420

cgtaatatat c 431

<210> 6303
<211> 368
<212> DNA
<213> Glycine max

<400> 6303

attttcaatt tcgagcgtct caatatgtta tgtccccgaa tcaaacatca gggtgagaag 60

ttatgaccat ttcaattttt ctagagctat cgctgttcaa attcgagcgt ctagatatgg 120

tatgcactta aatcggacat ccgagtgaaa agttatgacc atttgaattt ctcaagagct 180

tctgttgttg aatttcgagc atctcgatat attatgtccc cgaatcggac atgcgagaga 240

caagttgtga caatttgaat ttctatagag ctttcgttgt gcaatttcaa gtgtctcgat 300

atattatgcg cctgaatctg acatccgagt gaagagttat gaccattgga atgtctcgag 360

agctttcg 368

<210> 6304
<211> 141
<212> DNA
<213> Glycine max

<400> 6304

tctcattcca gcctgcatgg agatattcaa caacaacatg ggcaatgctt ccaaccacat 60

agacacagcg aaacgcgaag atgctgctta cttaactgaa catgacctgt tgcagatacc 120

atatagagcc cgctccatgg a 141

<210> 6305
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6305

agcttaaaca ttcaacttcg agcgtctcga tatattacga gtctcaatca gacatccgag 60

taaanagtta tggtcgtttg aattggctca cagcttcaac attcaatttc gagcgtctcg 120

atatatttcg ggactcaatc agacatccga gtaaaaagtt gttgtcgttt gaattcactc 180

agaggttcaa cattcaatnt tgagcgtctc gatatatgac gggactcaat cagacatccg 240

agtaaaaagt tattgccgtt tgaatttgct cagaggttct acattcaatt tcgagcgtct 300

cgttatatta aaggactcaa tcata 325

<210> 6306
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6306

agcttgtggg tggaggacgc atgaacgana ctactatttg gngctcctaa aaagggttga 60

ggatggatga atgcactaag caatcactac gcacggctcc aagctccagg gtggaggacg 120

catgaacgaa aaagcaattc atggggctcc gaaaaagggt tgaggatgga gaattgcact 180

aagcaatcac tacaaacggc tccaaactcg tgggtgaagg acgcatgaac gaaaacgcca 240

ttcatggggc tccgaaaaag ggttgaggat ggagaatngc actaagcaat cactacgcat 300

ggctccaagc tcctgtgtgg aggacgcatg aacgaaaatg caattcatgg ggctcccaaa 360

a 361

<210> 6307
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6307

agcttcttat gtcaaaccca ataatgctct ttgactgaga gtaggcatga aacttttgga 60

ctagacagat caccaagttt aatcttatac agatttcctt gtctcttagc ctagaagagt 120

gaagagtttt ccttgttctc aatgatacac atatacttgt taaaagtgac attgtatcca 180

ctatcacata tattacttat gctaagcaaa ctatgcttca acccttaac aagcaaaaca 240

ttatctatag aaggataagg aggaatacat actttaccta caccaattat cagacctttc 300

tgattccgtt cgaaagtgac caccctacta gacatagggc ttagggatgg aaacatacac 360

tnttcactta tcat 374

<210> 6308
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6308

tccttganaa gattcctaaa gaagctagag cttagctaca cacactcact ctaatagcta 60

agctcacctc cttgagatga gaagctagaa cttagctaca ccccccctata atagctaagc 120

tcacccccat aacaaaatac atgaaaatac aaaaaaagtc cctactacaa agactactca 180

aaatgtctcg aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc 240

taaatgaagg aaaaaaacct attctaatat ttacaaagat atgcgggctc atacttagcc 300

catgggctca aaatctaccc taaggctcat gagaacccta gggccttccc ttggatctct 360

ggcccgatct acttggagtc ttctatccaa tgcccttgtg gggtaggatt gcatcaggag 420

tagaaaatat agagcataca agaaaaactt a 451

<210> 6309
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6309

agctntcaag aatcaagatc aagattcaag actcatgatt caagaatcaa gagaagactt 60

aatcaagata agtatgaaaa ggttttttca aaaactgagt agcacatgga tttttctcaa 120

aacatgttta ccaaaaagtt ttgactcatt ggtaattgat tactagattg ttgtaatcga 180

ttaccagtag caaaatgaat ttgaaaaagt tttcaaatga atttacaatg tttcaattga 240

tttcaaaaag ttgtaatcga ttgcaatgtt ntggtaatcg attatcagtg tctttgaacg 300

ttgaaattca aattcaaatg tgaagagtca catcctttca cataaaagcg ttgtgtaatc 360

gattacactg atttggtaat cgaataccag tgattggttc tgaataaatc aaaagatgta 420

actcttcaa 429

<210> 6310
<211> 323
<212> DNA
<213> Glycine max

<400> 6310

taccacaatt cgcacccttc tatctgtggc tgctattaac gactgtcact tagaacaact 60

agacgtccac gatgctttgc ttcatggtga tctgcacgat gaagaatatc tggatctgcc 120

tcctgcgttc atactgcctg cttcatcttc taatcaagcc tgcacattac ctaagtactt 180

atacggacta gctcatgcta ccagacagcg gttctcccag ctatccaact gctattatct 240

ccctaggata cataccttca tctgatgacc gatctatgct cacacaacta cataaatctc 300

atttcactgc tcttataatc tat 323

<210> 6311
<211> 403
<212> DNA
<213> Glycine max

<400> 6311

ctgcaagctt gaaatcttca tttagcatag tcacagtaag tataaacagc aaatacccccc 60

ccccccccaa attaaaagga aaaaaacaac aggaatattt gggtgatagt tgatcaaaat 120

gtcaaagcca ataccttttag atactgcttg atcttgtcta cctcaaggaa agaaaaatct 180

atcttaacta caacagcaag aacattcttg taggcattga caaatagtgt ggtgcagcag 240

caagtgttag gtatgagaaa gccaatgaaa gtgaactaac aatcgagaca ccaacaatac 300

aatcagttaa atagtaagaa tataaataaa ttgaaaagta tgcaaatatc actttacctt 360

gtacttagca acctcctcac taacctcctt cagttcacct ttg 403

<210> 6312
<211> 454
<212> DNA
<213> Glycine max

<400> 6312

ctttcagata acctaacctg gatattgaat cagagcctgt atactcacca ttcttgtcaa 60

acattgcaat cttttggaca ggtccaaagg cagagaaaac ctgccacaga aaacagagta 120

aagaaggtat atattatcag ctaaagtgta ccattagtca gtaatgtcag aaataagcaa 180

ctgccactgt gacttaaagt accatgtgta agacatccaa ggttacagta tactgcatgt 240

tctcaataga tgcaagaaga acattactct cggcctccag tctcttccca tccaaaccca 300

ccatgggctg caaaaattaa aaataataag ttaagaacac attcctcatt gaggaagtca 360

gcatgaatgg caacccccttg gtagtaggca cacctcactg atgtgtatga ggtgaatatc 420

aagttacaat aagcaattcg gagggttcca tttg 454

<210> 6313
<211> 482
<212> DNA
<213> Glycine max

<400> 6313

atcctcttag tcacctgcgg catgcaagct tctttgagaa aacttccttg agaagctaga 60

gcttagctac acacacccct ctcataacta agctcacctc cttgagaagc ttccttaaga 120

agattcctaa agaagctaga gcttagctac acatacctct ctaatagcta agctcacctc 180

cttgagatga gaagctagaa cttagctaca caccctaat aatagctaag ctcaccccca 240

tgacaaaaaa catgaaaata caaaaaaaaa gtccttacaa caaagactac tcaaaatgcc 300

ccgaaataca aggctaaaac cctatactac tagaatggcc aaaatacaag gcccaaccga 360

aggaaaaacc tattctaata tttacaaaga taagcgggct catacttagc ccatgggctc 420

aaaatctacc ctaaggctca tgagaaccct agggccttcc cttgatctct agcccaatct 480

ac 482

<210> 6314
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6314

agcttcgata tcttgacttg agcttcaata gattccttgg agaaggtatg gcaattcctt 60

ctttccttgg gacaatgact tccttgactc acctcgacct ctcttttact ggattccagg 120

ggaagattcc tcctcagatt gggaatctct caaatttggt gtatcttgac ctgagatatg 180

ttgccaacgg aacagtaccc tctcagatcg ggaatctctc taagcttcga tatcttgact 240

tgagctacaa tgattttgaa ggtatggcaa ttccttcttt cctttgagca atgacctcct 300

tgactcatct cgacctctct cttactgaat tctatgggaa gactcctcct cagattggga 360

atctctccaa ttnggtctac cttgacctcg gaggtattct ggtttcaacc ttctctgttg 420

ctgaaatgaa aatgggtata agtatg 446

<210> 6315
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6315

agcttgcctt gccccttgat atattttatg gtttcatggc cactatgaat gacaaattcc 60

ttgggataaa tgtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagctaaa ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttctt gcatcaacac agccccaatc ccaacattag aagcatcaca ctcaanttca 240

aaagattttt gaaagtttgg caacgcaagt atgggggcat tagttagctc ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catatgaaac caacattntt cttgagcact 360

tcattgag 368

<210> 6316
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6316

actcaagctt agggagttgt tctaatagtt ntctgtgcat gtcttgctga tatagagaga 60

gagattagga aactgagagc cagtcagcca gagaactaaa tgtgtgtaaa ttgtcatatg 120

atattatctg cagataatgc taatcaatga tattcatctg accttccatg gaactcaaac 180

tgttctgtgg aaattgaaga tttctgcaac tctttcccag tcagtttctc ccaaatttag 240

actacctctc tcttggataa tatgttttct ggcggcctta tgtaaactgt cttgtttgga 300

gttctgggca ttgcttaccc taaagaaaaa ctaagcattg cttattgatg tcatgtgctc 360

cttgctcatg atttgatcaa tgtcccaaaa tttctagatc atttgattaa atnttatttt 420

caagtcgcta gaagacaatg caattcttat catcatt 457

<210> 6317
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6317

actggatgca tatgttaact tggtaaccca tctagccttg aaccaaaaat cttgtcctgt 60

tgcaagggtc tgtggtttgt gctcctctgc tgaccaccat atataccttt tgccttccat 120

gcagcaacct ggaacaattg agcagcccga agcttatgct gcaaatattt acaataaacc 180

tcctcaacct tcgcagcaaa atcaaccaca gcagaacaat tatgacctct tcagctatag 240

atacaaccct ggatggagga atcaccctaa tctccgatgg tctagccctc agcaacaaca 300

acagcagcct gctcctttct tncaaaatgt ngttgtccca agcagaccat acattcctnc 360

accaatccaa caacagcaac agccccaaaa caaaccaaca gtg 403

<210> 6318

<211> 387
<212> DNA
<213> Glycine max

<400> 6318

tgcacttatg catttccttg tgttttctat agacatccag ggttggtcca tatgctgctg 60

aagatatgat tgagatgggt aaggatgctg gcaaggagct tctgtctcgg gctggaccta 120

acttcttcag tagttagcag cagatgatta aagtgtgatc aggtacacac aggtttcatg 180

gtcagctttc ggctattgct tcctaagtta attcattctt tgacctgttg taactttaga 240

gtagataaaa tgttcaattg agtttgggaa agaggacctc tcattatggt caaattgttg 300

tattatgagg atattataat gccaattttt tacgtagctt gtataattac cacgatagtg 360

gacttttgag aatcacgcta aatacac 387

<210> 6319
<211> 331
<212> DNA
<213> Glycine max

<400> 6319

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tatatcgagt cgctcgaaat agaatccaga aggtgtgaga aaattctaac gtcaataact 120

ttttactctg atgtccgatt gagtcacgta atatatcgag acgcccgaaa ttcaattcat 180

aaactctgag cgaattctaa cgacaataat tgtttacttg gatgtccaat tgagtcccgt 240

gatatttcga gacgctcgaa gttgaataca taagctctga gcagattcta acgacaataa 300

cattttactt ggatgttcga tatagtcacg t 331

<210> 6320
<211> 283
<212> DNA
<213> Glycine max

<400> 6320

tgaattgctg gatataatat atggaaagaa atccatccga tattactact cattactatt 60

atgattgaaa ttaatattta atttagtatg tgagacttga ataaacataa aatcttaaaa 120

attttagaat aaaacatttt tacaaattgt ttttacattt ttcaaataat aataatacta 180

atatagacat attataattt agtatttaat ttctattcta aaatattaat gtaaaatatt 240

ataataaata aagcgttact atctaatatc attattatta aaa 283

<210> 6321
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6321

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taaacctgga catcttttag aaatgcttgc tgaattaaga caggcagaaa tccagtgtct 120

ccatttggga caaaaaccca ttctttgcag catataatcc aaaatagccc atgagactga 180

gtcataggcc ttttcaaaat ccaccttgaa aaccatagct ggccttttgc ttctacaagc 240

ttcctcaatc acctcattaa gaactagtac gccatgcagg atgtgtctgt tttttatgaa 300

agttgtctgc ctctcatcaa taagaccaga tatcacttgt ctcaatctat ttgctaataa 360

cttagctatc accttgtaca tacatccaat caaggagaat ggtctgtagt catcaaatga 420

c 421

<210> 6322
<211> 291
<212> DNA
<213> Glycine max

<400> 6322

agccttatgt gtatctcttt tgcgagaaga atatcccttc atttctctga cttacctcta 60

tgccgaggaa agaactcatc aaaccaaggt caggcatctc agaggtcttc atcatgtctt 120

ctctaaactc tatcatcatc ttactattga ttcccgtgta gataagatca tctacatata 180

gagagagtaa gagagtgtac tgcccttgag acttgatgta aagtgtaggc tctctcttgc 240

tcctcctgaa tcctcgatcc atgaaatact gatcgattct tctataccat g 291

<210> 6323
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6323

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tgtgttgttt gattctggtg ccacccattc ctttatatcc tgtttgtgtg taggaaaact 120

taagctttct gtgtcttctt taaataaaga tatagtagta gagaccccta ctagtggttc 180

tgtgttaact tctgatgtgt gtttgaattg ttctgtggag atttctggta ggatattctt 240

gattgatttg attngtttgc ctttgagcca gatngatgtt attcttggta tggactggtt 300

atcttccaac catgtcttgt tgaactgttt tgagaaaagt gtggtgtttg atgattctgg 360

agtga 365

<210> 6324
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6324

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cccgacgaag acactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120

ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatctt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaagatc acactagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360

tctgnacttt atccttcttt ggggtcttnc caaatacagt gttcaggtgt tgaacctgct 420

gatatacctg ctcaccagtg aatggtatcg gcacaatatc atgctc 466

<210> 6325
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6325

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aactgtactg atgcaatcct acctcgcaag ggcattggct agaagactcc aagtagattg 120

ggctagagat ccaaggaaag gccctagggt tctcatgagc cttaggatag atttcgagcc 180

catgggctaa gtatgagccc gcttatcttt gtaaatatta gaataggttt ttccttcgtc 240

taggccttgt attttggcca ttctagtagt atagggtttt agccttgtat ttcggngaat 300

tttgagttgt ctttgtaata aggacttttt tttgtatttt catggttttt gcatggnggt 360

gagcttagct attatagggg 380

<210> 6326
<211> 406
<212> DNA
<213> Glycine max

<400> 6326

agctcgcaca ttgctgttta ataaagaaag atttatactg gaagccttgg tacttcgaca 60

tcaaacgatg catcataaac aaggaatacc cgtaggaggc ctctgacaac gacaacgaag 120

gttggtggcc agcttcttcc tgagtgggaa tatcctatac aagaggaacc atgacatggc 180

actgcttcga tgtgtggatg ccagagaggc taatcaaatg ctggtagagg tgtatgaagg 240

atcctttagc acgcatgcca atggacatgc cttggcccga aaaattctga gagtggggta 300

ttactggctc actatggaga gcgattgttg catccatgtg aggaaatgcc ataagttcca 360

ggcctttgct tgatatgtta atgctccacc catacccttt acggct 406

<210> 6327
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6327

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gagaatgatg gagagggaga aagagagaga gtggcgtgga aattgaagga gaatatgaag 120

tgatgcaatc ctatccccca agaagattgg accaaagatg caagagaagg ccctatgatt 180

ctcataagcc ttagggtaga ttttgggccc atgggctaag cataagctca cttatctttg 240

tacatattaa attaagaatt cattattttc gggccttgta tttagggctc cataatgtat 300

ggtcggtacc ctactaatgt aggatgtttc agcctttgat tttatggcac ct 352

<210> 6328
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6328

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ttctcaacag tcacatcttt ttgtgtggct cttgaatggc tatcataggc ctatatatat 120

gtgacttgag acacgaattt gacaagagtt tttcagaaca aaaaaggtct tatcctctta 180

taaagagaaa tcgttttatc ctcttacaaa ttccttgggc aaattacttg tgattcaata 240

aggtattatt tgagtgctca aattgttcaa tctatctctt gcaagagaga tttcttcttc 300

tcttgttctt cattctgaaa agggattaag agaccgaggg tctcttgttg tgaaagaatt 360

ctaaacacaa aggaaggatt gtccttgtgt gtttagaact 400

<210> 6329
<211> 262
<212> DNA
<213> Glycine max

<400> 6329

ctcagcttat atatatcgat acgctcgaaa ttaatcatcg gaaactctct ggaaattcaa 60

atagtcataa ctattcacac ggatgtccga ttctgacgct taatatgtcg agaggctcaa 120

aattgaacaa cggaagctct tgagaaattc aactggtatt acttttcaca ccgatgtccc 180

aatcaagcca attacatttt cgagacgcct caaattgaac caccgaagct cttgagaaat 240

tcaaatggtc ataacatttt ac 262

<210> 6330
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6330

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tatttcacaa ccaaattaaa ttgaattcca ttggtcacga gtcagtaaca acagtacgat 120

taaatcactt tatctttggt tggtgcggaa ggaaaagata agttatacct attgaatgac 180

ttgtgtcaat aaacccaact tattttcttt atgttatttt gtttttacat aaaatcccaa 240

acgtttttac tttcatggag acttataaaa aaatatagaa ttaaattcaa taaattttta 300

cagtcaattt tttaatacat tctaatatgt gtaccaaaag aaacatgatt tcaattaaca 360

aagttttacc tttatactaa tacattattt aatgaatnta aatttgtaac ataattaaag 420

tcattaatgt agt 433

<210> 6331
<211> 459
<212> DNA
<213> Glycine max

<400> 6331

ctcgtgtatc atacattata tcgatcaatg aggtgcttga gagtatttgt actgcctcgg 60

gtttaaaggt aagtattgaa aaatcaagat tttatgcatt caagaatgtg tccaatacca 120

agaggggtca aatagctagc atcattaatt tcccctacac ctttaatttg ggcaagtacc 180

tagggttcct tatcttcact agccatgtca ctaagaggga attcaacttc attctggatc 240

acattcaagt caaattggca agctggaagt ccaagctcct gagtagggtt ggcaaggtga 300

ctttagctca attaatattg gcctttatcc cctcatatgt catgcaaaac tatcttcttt 360

taaagggtac tctgcaaagc tatcgatact ctaataagaa agttcatttg gggtagcaac 420

tcttctcact ttctcgattg agagactatt tctaagcct 459

<210> 6332
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6332

ntaagccaat tcatacgaca atttctttnt actcggatgt ctgattgagt cccgtaatat 60

aacgaaacgc tcgaaattga atgttgaagc tctaacccta ttcaaacaac aataacgttt 120

tactcggatg tctgattgag tctcgtaata tatcgacacg ctcgaaattg aatgttgaag 180

ctctaagcct attcaaacaa caataacgtt ttactcggat gtccgattca gtgacgtaat 240

atatcgagac ggtcgaaatt gaatgttgaa cctatgagcc aatttaaacg acaataactt 300

tntactcgga tgtctgattg agtcccatca tatatcgaga cgctcaaaaa tgaatggtga 360

ccctctgagc caattcaaac gacaataact ttttactcgg atgtctgatt gag 413

<210> 6333
<211> 316
<212> DNA
<213> Glycine max

<400> 6333

agcttaagct tcttttctgc acaaggctct tattatttga agagtatcct tgtggaacct 60

ttacccgacg aagacactga caaaaactta tcttcttctt tttggacaaa gtatggcaag 120

ctgggggcaa gtcaattttc ttcccatcag accttggatg caactgtgat cgaatactca 180

tatcagctag atcttgacag atattcaagc catccttcgt attgccttga atgttaaaga 240

gcgtcccaat gacactgtca caaacatgtt tcttcatatg cataacatca atacaatggc 300

taacgttcag tatgga 316

<210> 6334
<211> 362
<212> DNA
<213> Glycine max

<400> 6334

tatcttgatg tactaagtct tccaactcca tattatcctt tatatcacta tgtagcccat 60

gtaggaaaca agccatagta gcctctcgat cctccataac attagctcta ataatggaaa 120

cctccatctc cttgtaatac tcatcaacac ttctactacc ttgtgtgagt ctttgtagct 180

ttttatgaag gtctctttga taatgagaag gaacaaatct tcttttcatc aacctttca 240

tttcttccca actatccact aagggttctt catatcttgc cttctctctt tgtaattggc 300

tccactagat gagagcatag tcagtaagtt ccatgactgc caccttcatc tttttatcct 360

cg 362

<210> 6335
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6335

atcacatgat ttattataat cattaatctt attcctacat ttcaattgaa tattatactt 60

attccatgga taacttctat aattataaaa caatggtcct tgttatacat taattatata 120

cttgatgcta gtaaaaaata taacaaaatt ccactaaaat atttatgtga ttaaattaaa 180

ttctctaatt taattatcaa ataaattatt gtcttttgta aatattgaaa cactctgtgt 240

gaccatgtaa gatcaatata aagtaatcat aattaattta tcaatcaagg taagcatcta 300

gcaacactct ntagcgtccg gatagcatga attaacatcg tttttctcta cgaaccaata 360

gaagaataat ctaatatgtc ctgccatcat ttataact 398

<210> 6336
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6336

tgtataaaag aagcatggtt actgctagac tacattcaat tttaatcctc aatttatgac 60

tttatagaac aatactataa gacttcatct attttagtat ttcctatcaa agtaacacaa 120

ctagaacatt ggttgctgca tttntgttgg acgtgctctt agtaatgcct attgattgaa 180

tatggtcctt tgcttcaaat tttagtgttt tgctcctgca tttctgtttt taacatcttt 240

ctttgaaata tttatttctg atggttaggc ctttgatata atgtctcaat caagagctgc 300

atcttcttca aatgttagca acaatgaaag taagagtcaa atatttaaag aaaaactatt 360

attaccttaa gaaaggtcca ttcacagagt taattcttaa ttngttattg agtatttaac 420

aaanatatta tgacaatntg gtctgctcac a 451

<210> 6337
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6337

gacagttata atactaagct tatgcttaac tatgtatggc aatacattat tactgntgtt 60

tattacatac aagtgagctt gtaacaaatc ttctagactt ggagtgatca catgcagacc 120

tcttgaaccc ttaccaccca ctctgtcatc atgccgagac tcgggaaggc caacaggttt 180

agccttctca atgtattctg aataaaattc aatgacttct tctacaatgt acctctcaac 240

aatagatgct tcaggatgat atagattctt tgtataccct attaagatct tcatgtatcg 300

ctcaactgga tacatctatc gcaaataaac aagaccacaa catttgattt ctctgtccaa 360

atgcagaatc aagtgaatca tgatgtcaac gaaagcaagg gggaaaatac atcntccaac 420

tggaac 426

<210> 6338
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6338

catatagatn gaatcctagt tcctctaagg acttatcata atatctgctg gctgatcatt 60

agaattaatg aactcagtga taatctcctt ggacaataat ttctctcaaa tgaaatgaca 120

atcaatctct atgtgcttag tcctctcatg aaaaatcgga tttgaggcaa tgtgaagagc 180

tgtttgatta tcacagtata acttcatttg caccacttta caaaatctca attcttggac 240

aaatagttta atccacataa gtncgcatgt aaccatagcc ataaatcgat attcggctct 300

tgcactggat cgagtaacaa caagttgctt cttgcttttc caagagataa tatttcttcc 360

aatgaaaaca ctatccagag gtagatctcc tgtccatggg acaaccagcc caatccgcat 420

cacaatatcc agaggtagat ctcctgtctt catacaacaa tc 462

<210> 6339
<211> 457
<212> DNA
<213> Glycine max

<400> 6339

tgaccaggaa ttacttgtat ggtttggatg ttgaattctg gttgttcctg gcgcggagat 60

gatggtacag cgggtgaacc agaagcggaa gtttcttttg gtgaggtagc catggaaaag 120

cagagcgttt ggaatgattt cgtaaatttc acaaggctat tgggaaatgc tggtaaaaac 180

acgaatgcca agcagatata aatttgaatg aggaatgtat agggtcgtgt gaagcaacgg 240

tcgaattttc cttggttcag tagtgaacgt gctattaatg ttaagtgatt cgtttgggca 300

cgttcagatt gctgtagttg ctataattcc tctagcacac aaatgcccag cttgcccctc 360

acgttttcaa actgatttgc atccaaagcc tttgtgaaaa tatctgctat ttgttcctca 420

tcgtcaacat gcttcagtgt gatcactcta tcatcaa 457

<210> 6340
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6340

tcctcaattt ctctcattaa gaatcaaagt tccatgaaga atatgtctgt ctttaatgaa 60

agctgtntgt ctttcatcaa ttaaggcagg tataacctgt ctcaacctgc ttgctagaag 120

cttagctatc actttgtaca tgcagcctat caaggatatt ggtctataat catttangga 180

ctgaggatgg ttaactttgg ggataagagc caagaaagag gcattgctgc ctctatggaa 240

acaactcgtg acatggaact catccacaaa tcttctgaac tctggtgtta gcacactcca 300

gaattccttt ataaaattga aattaaaacc gtccggccca gggcacttat ctccaccaca 360

actccacact gctttcttaa gctcctggtc tg 392

<210> 6341
<211> 282
<212> DNA
<213> Glycine max

<400> 6341

agatggacca tttcaagtgc ttgaaagaat ctatgacaat gtttacattt ttgagctgcc 60

cggtgagtat aatgttagtt ccaccttcaa tgtctctgat ttatctcttt ttgatgcaga 120

tggagaatcc gatttgagga caaatccttt tcaagaggga gagaatgatg aggacatgac 180

caagagcaag ggccatgatc cacttgaaag acttggacga cctatgacaa gggctagagc 240

aaggaaagcc aatgaagctc ttcaacaaga gttagccata ct 282

<210> 6342
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6342

cgtggcatct gtgtgcaata cacaatgctc ggtacaccac aacaaaatgg tgtatcagaa 60

aggtgtaata gaacattaat ggatatgatt aggagtatgt taatcaattt gactttaatc 120

atatctttgt ggatgtatgc cttgaaaact gtcatgtatt tgttgaatag gattcctagt 180

aaggcagttc caaagacacc tttgaactgt ggacaaatag gacacctaat atgaggtacc 240

tgcatgtttg gggttgccaa gcagaaataa ggatttataa tctgcaagaa agaaaattgg 300

atgcaagaac aatcagtggc tatttcatta gttatccaga gaaatcaaag gggtatatgt 360

tttattgtcc taatcataat atgagaatng tcgaaactgg aaatgcaaga attcattgaa 420

atggtgaaat cagtgggagt acagttccac gagaagtgga aa 462

<210> 6343
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6343

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atacatggac ggagatgaaa aagatcatga ggaagcggta tgtgccggct agttactcaa 120

ttgacttgaa attcaagctc caaaaactaa cccaaggcaa caaggggttt gaggagtatt 180

tcaaggaaat ggatgtgctc atgattcaag cacatattga agaagatgag gaggtaacta 240

tggctcgatt tcttaatggt ttgactaatg atatccgcga tattgttgag ctgcatgagt 300

ttgttgaaat ggatgatttg cttcacaaag caattcaagt ggagcaacca tttaaaaaga 360

atggagtggc ttagaagagt cttaccaact ctggttc 397

<210> 6344
<211> 332
<212> DNA
<213> Glycine max

<400> 6344

ctcttacgaa caaagaggat aggcttacag gctttagtgt ccctcacctg agaagtgctt 60

cacaggcaga tgctcttcca gtcattggag tcaatcttgt agaaagcata atactcctcc 120

tttgtgatct cctaaggctc tgacatccaa atggccttat gcttgttcac caacgagcat 180

tcatgtgaca cttccttgct gaggaaaaaa aaatgtgaca cttccttaat cttctttaaa 240

ttactttctt ccttctcgtt cgtcttcgca acatgctcca cctaagtaca ttaaaaaatt 300

agatattgaa gtcaaagtgg tattcaaaaa ta 332

<210> 6345
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6345

agcttggata tatnttgtgt agtaatgctg tattaaactc tgcatctcgc gagcatcact 60

cttaaatatt tatgtcttga gctcttcttc tccagggtca ataatctctt ggtggtcctt 120

gttcctggat agtagtagtt gaaacttggg tctattgaga gggctctatg gtacaaagga 180

tcgagctgcc aatagggtgc actgcaagtg ccagtggcat gtgattaagt ggtcattggt 240

gaggccagat gcttgcatga atgaatgaac cactgttgga ccaacgtacc taaagcccct 300

cctcaccatg tctttgctta tgctctctga ttttgatgtc ttcactgaaa tcttcgggcc 360

aaacttgtat tgagtgga 378

<210> 6346
<211> 446
<212> DNA
<213> Glycine max

<400> 6346

tcttagtttc agatgatgca gatgggcttg tagctacctc atgcactcct ctaatgacta 60

tggcatcatt tctggcgcta aactgttggg agttggaagc catcttctca attaaatttt 120

tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatatt gttgagtcct tcataaaaat attggagaag aagctgctcc gaaatctgat 240

ggtgagggca actggcacat agtttcttaa atcgctccca gtactcatac aggctctctc 300

cactgagttg tctaatacat gagatatctt tcctgatggc tatggtcctg gaagcaggga 360

aaaaattttc taagaatact ctcttaaggt catcccagct cgtgatggac cttggagcaa 420

ggtaatacag ccagtccttt gccact 446

<210> 6347
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6347

agaggatgct gaagatgaat cagtggagag gttcttgtgc catggaatgt tgtatttgcc 60

atcaggattg ggaatttggg tgtagtaagg ggatgatgag ccagggctng gattgtagga 120

agcacatgga cttggatggt aagatgagca agggcttgct gctgctgatg atccaccaac 180

tatctccatg ccctctgaag gcttgcatcc ctaattgtac acaaaatata ttttcattaa 240

ctgatcataa tatgtggcat gtaatacgat ttccatcacc aaaatctttt caaatataac 300

aaataaatca tttgtaagac actctaataa actccttcat gttggttcca gtaaatatgt 360

ggatgtttgg tagatttatt ccaaatcagg gaaactcaga ttaactcaac caataaaaaa 420

aatgtgttga aaagaagtaa tgcac 445

<210> 6348
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6348

gtacccggcc ggactgggaa gtcatgcang cttcggtggt gcaaccagct gtcgccccaa 60

gtcgagcacc gggccttcac accggaagag gacgagacca ttattcgggc ccatgcccgg 120

tttggtaaca agtgggccac cattgcgcgc ctcctctcgg gccgcaccga taacgccatc 180

aagaatcact ggaactcaac cctaaaacgc aagtgcgcgt ccttcatgat ggcgggtgat 240

gaagccgtcg ccgtgagtcc gaggccgctc aagcgatcct tcagcgccgg cgcggcggtg 300

cctcctcccg gaagcccctc cggatccgat ttcagcgagt ccagcgct 348

<210> 6349
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6349

agcttgtaat ctatttcaca catactatat attgattacc agaggagttt ttcagaanac 60

attctcaaca gtcacatctt ttcatctgtt tcttaaatag ccatcaaagg catatatata 120

tgtgacttga gatacgaatt tgacaagagt tttgaagaac acaaaggtct tatcctctta 180

acaagcacaa ttgttttatc ctcttacaca ttccatggcc aaaacacttg tgattcaata 240

gagaattatt tgagtgctca aattgttcaa tctatctctt tcaagagaga taacatcttc 300

tcttcttctt tattttgaaa agggattacg agaccgatgg tctcttgttg tgaaaggatt 360

ctaaacac 368

<210> 6350
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6350

ntaaggttag atgaaataaa atgtatccca agcanccatt ttttttgtt ttaataattt 60

gaggtcatta aagtttagat gaccatacct caagtgctac agtatggact catccatatt 120

ctcacatttc aatgcattgt tttgcccaaa tggcataaat agaggaaata ctttattagg 180

agccattttg atagaaataa tttggccctt tcttttatga atgatattac atttatcatc 240

atcaaagatg actttataat ttttatgaat aagttgacca acacttagaa gattttgagt 300

aagacctgnc acataaaaaa catcatggat atatnntttg ctaccatntt gagttttaac 360

agcaatggtg ccttttnctt tcaacttttg aacattttca tcaccaagtg taaactttga 420

atttattgtc tcatctaatt gcacaaagca acttttttgtt t 461

<210> 6351
<211> 302
<212> DNA
<213> Glycine max

<400> 6351

tgtgcctctt cacgtctgga atatgaatgt agcatataga tcttaagacc cttatgtgct 60

ttgctgatgg cttcctcccg ttccaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gttgagtatg taaacagcag tgtagactgc tttagcccag aatgtgttag 180

gtacttgagc atcgatctag ccatctccat aactgtgcga ttctttctct cggacactcc 240

actttgttga ggaggatatg cgactgtaag ttgtcgctca attccttcat cctcacaaaa 300

tc 302

<210> 6352
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6352

ctataaatct cagcttgata cacttcttca tttacgaatc tattcagaaa ggaactctcg 60

gcatcgattt gatacaactt gatgtcttta tgtgctgcat atgataagag tattattatg 120

gcttcaagct tgctactagt gtaaaggttt cttcatagtc aatcccttct tgttgattgc 180

accttcagca actagtctag cctgtntgac tacttctcct tcttcattga gcttattttt 240

gaacacccat ttggtttcaa tgactgactg attctttgga ggggaacaag attccaaacc 300

ttgttcttag tgaattgact acatttctct tccataacaa acacctaaga atctngactc 360

aatgcttcat caatattctt aggctcaatg gttgagaaaa gagtcattat tccttttttct 420

ctta 424

<210> 6353
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6353

ctctaganaa agaagctagt aaccacacta gttatttcgg ctcctaatng nggttaataa 60

tntgaattaa tgtgtgatgc tagtgactat acgataggag cagtattagg acaaaaatgg 120

aatggaagat ttcatgttat ccactatgcc agtaaggtgc taaatggagc ccagatcaac 180

tatgcaacaa tggagaagga gatactagca gtgctttatg cccttaaatc aatcatatca 240

tgtaggttca aagattattg tgcacactga ccatttagct atataatatc tactcaccaa 300

agtggattcc aagccaagtt aattagatgg gcccttctac tacaagagtt tgatctagat 360

atccgagaca gaaggggtgt gactgtgaca ccctctaccc cgacatatac ataaataaat 420

aaaatatgta atat 434

<210> 6354
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6354

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tcttcatttg gttntgatga aaaccccatg gatcaatgca tataccacaa ggttagtggg 120

agtaaaatat gctttcttgt tttatatgta gatgatattt tacttgcagc caatgatcgg 180

ngtttgctac atgaggtgaa acaatttctc tctaagaatt ttgacatgaa ggatatgggt 240

gatgcatctt atgtcatcgg cattaagatt catagagata gatctcgagg tattttgggt 300

ctatcacaag aaacctatat taacaaaatt ctagagagat ttcggatgaa agattgttca 360

ccaagtgttg ctcccattgt gaagggtgat agggttaatt tgaaccaatg tccanagaat 420

gactttgaga aggaacanat ganaaacatt ccttatgctt cag 463

<210> 6355
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6355

gagtccacct cgcatgtcat gcaagcttga gtacctgngt agaaacatct ggagttgatg 60

agaaggtgct tcaacagcta ttgcattgtg gctattattg ttgggatgag ctcatacaaa 120

gtagtcgttc cttagttgta taccttgccc gaaaatacag gggtatggga atagcattgg 180

atgatttact tcaggtttgt tccaaatgtc attgctcatg attttatttg taatttgtga 240

ttgtttcttg tgaggacaag tttctgtttg tcttttacct atttgtgcac tcatcatata 300

cagttgtaag ttatatcgca aagaacccga gtttcctgat taatagtcga tatttttag 360

agcttacaat taacaacttg tgagagttag aatcacagct aatacttcaa agatatcagt 420

ccaatgaaag aaaggtcatg tacagaggca tagcataagt tacaacta 468

<210> 6356

<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6356

tgtgcattca atatcctgat gatggtattc catatgttct tttgactgga ctaatacatt 60

tgttgcccaa gtttcatggt cttgtaggtg aagatcctca taaacatctt aaggagttcc 120

atattgtttg ttccaccatg aaacccccctg acgtccaaga agatcatatc tttctaaagg 180

tttttcctca ttctctagag ggagtggcaa aagattggct atactacctt gctcccaggt 240

ctattttcag ctgggatgac cttaataggg tgttcttgga gaaattcttc cctgcatcta 300

ggaccactgc catcagaaaa gatatntcag gcatcangaa acttagtgga gaaagctcgt 360

atgagtactg ggaaagaatc aagaaatngt gtgcaagctg ccctcaccac cagaattctg 420

agcaactcct tcttcaatat ttctatg 447

<210> 6357
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6357

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taaatgaata gttttaggta gtataagata acaattntgt atagtttagt ttgaattgtt 120

aatgttatat atgccagatt atttttttgat aaatgaatag ttttaggtag tataagataa 180

taattttgta taatttattt tgaattgtta atgttatata tgccagatta tattttgata 240

aatgaatagt tttaggtagt ataagataat aattttgtat agtttagttt gaattattaa 300

tgttatatgg tagattagat ttaggtttat atgataaatt agtgttgcaa cctacccttc 360

ngcgggaggg cgacacgtga ctcgcgggat gcgtgtt 397

<210> 6358
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6358

ntcataatgt ccgtggaaaa nactgtgctc ttatcaacaa tgtgtcattt ctttgatacc 60

gaccgcttaa actactataa tgtgactaat tcaactaagc ttgtaatgga gaatgttgaa 120

ctgtacatga atgcacgtgt gtctccaacc tctttgacct attatggatt ttgcttggga 180

aatggaaact acacagtnaa actccatttt gcagaaataa tgtttactga tgataaaaca 240

tatagcagtc atggaaggcg tgtatatgac atctacattc aggttcatat ttttatcatt 300

ttcctaaatt ggtcaaccac atgtaaattt tgatcaaaat tggtaaattc tctttgggaa 360

cttcatgata ccaaattcaa atacaacaac cacaacgact acaacgcctt atccactatg 420

tggggatacc aaattcaata c 441

<210> 6359
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6359

cgcaattaac atgaatggcc ttcctaatat tacaggaatg tttgtatctt cacaaatatc 60

cattaccaca aagtctatcg ggaagataaa atgtttcact ctaaccagca catcttcaat 120

tactccatat ggtctggtaa tggagcggtc agcaagttgg taagtcatct tagtgggcat 180

gatctccaac tctcccaacc ttttgcacat ggagagtggc attaaattaa tactggctcc 240

caggtcaata agagcctttc acacagtgac ttctccaatt gaacaaggaa tagttacact 300

cccanggtct tgatgctggg gttgaaggat cttttaatca caacactaca atatcctttc 360

actatgata 369

<210> 6360
<211> 458
<212> DNA
<213> Glycine max

<400> 6360

atgaaagggt gagcaagaat ggtacgatca ttaatatcta tagtggagaa aggagagcag 60

ttctcataaa aaataacatg tcaagacact tcaatggttc gtgtatggag attgtacaca 120

aggtaacctt tcttgtggga tttaaaaccc agaaacacac aaggtaaggc tctaggatct 180

tgctttgttc tgttagcact gagagtgcta gtgtaacata gacagcaaac aactcaaagt 240

aaattatata tcatataatg caaaatagag tttttggtat ggtgattcat ttttctaaaa 300

aggagtacga ataatgtgta tcaaggtagc agtatgaagt aaagcatagg accaaaatat 360

gtttggaagg gtagactgaa acaaaagggc tcgagttaca ttgagtaaat gttgcgattt 420

tcgttcaaca atcacatttt gttggcgaag ttccacac 458

<210> 6361
<211> 392
<212> DNA
<213> Glycine max

<400> 6361

tattactgcc tctagggacc actagatcta ttacatcatc aagctgagac atagtataat 60

tagtgacaaa tcattgtaaa acaactaatt tgaggatctt atttttacta gtgatatcca 120

accttaagta ggtcaggaat ctcatctctc gaagtcacaa gcccaataag tttgtcacca 180

acagtatctg gcatcactga agtaatgacc tacaataaaa gaagaaatac agatgagaga 240

aaatatgtgt aagtgaatta atgacaaaga aacaacagtc aattcagatc cagaataatg 300

tcataaaaca acaatctcaa ctaaaataaa tagatattag atagtactaa ccttgtgtaa 360

gattgcatgt gatcgtccgg cttcctttcc ac 392

<210> 6362
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6362

atgaagactc tcccactatc tagatgttaa tctgggatct ctatcagaga ctatgctaga 60

atgaataccg tgtagtctaa ctatctcatt gacatacaag ctagtcaacc tctctaacga 120

gtatctaatg ttaattacga tgaagtgagc agatatggtc aacctgtcta caataaccta 180

aatggaatct aaacctttgg gggtcctagg taaccccacc atgaaatcca tggagatact 240

atcccacttc cacttaggta tctctaaagg ttgcaacttc cctgaaggct tctggtgttc 300

tatcttagct ntctgacaca ctgngcacac aaggacaaac tcattaactt ctttcttcat 360

accct 365

<210> 6363
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6363

agctngcttc tatgtccctt tcattgctnt aatngttgaa taatccttga aaaattgtct 60

tgttaaaact ccattggttt agctntcatt ntcatttttn tgtctttgtt tattgcttgt 120

ctctttgttt cgttgtttgt gagttgccat atagggaatt gcaaaggtgg attggtgcca 180

tcctcatgca agctccattg gagcttgtag gcctaggatc ttcttcatca atggattcct 240

ttgcttcttg gaagataaat ggcagcggaa tggagaacga agagagagag gagatgccac 300

ttcaacgaga agatgagtct ataagaagct caccaccata tgaggccatg gataatagct 360

ggg 363

<210> 6364
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6364

gcttaagaaa catggcgtca gcaaacttct tatttccaga aggaatttct atctgtatac 60

ctccaatctt taatggagag ggttaccact actggaaaac tcgaatgcac atttttattg 120

aggcaataga cttaagtatt tgggaagcca tagaaatagg gccttatata cccaccacag 180

tagaaagaat tacaatagat ggaagcacat caagtgaaag cataacaata gaaaaaccta 240

gagatagatg gtctgaagag gatagaagac gagtacaata caatttaaaa gccaaaaaca 300

taataacatc tgccctgnga atggatgaat gtttcagggt ttcaaattgt aagagtgcta 360

aggaaatgtg ggacactcta caattaacac atgaaggaac tacagatgtt aaaagatcta 420

tgataaacac actaactcat gaatatgaac tat 453

<210> 6365
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6365

aatatacctt cttctgtatt tgcatcanac ttgcctaagt tntctttccc gttgtttaac 60

acaaagcatt tacatccaaa aacatgaaga tgagaaatgt ttggttttct tcctctntac 120

aattcatatg gtgttttctt taagataggt gtaattaatg ctctattcat tatatagcat 180

gcaatgttaa tagcttcaac ccanaaatac ttaggaagat ttgtatcatt aagcaaactt 240

ctggctaatt cttctaatga tctatttttc ctctcaacta ctccattntt taaggagttc 300

taggtgcaga aaagttatgt tcaatgccat tttcatcaca naataattca naatatttat 360

tntcaaattc ttcttcatga tcactcctaa tggatgaaat attgagattt tttgtattta 420

aatgattt 428

<210> 6366
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6366

agtcacctgc cgcatgcaag cttctgctta ttagtgcaca actccttcaa gaatttatca 60

tatcttngga atttctatat tgcatccaac agaggtatgt ttacctctac ttttctaaat 120

gtttccaaga tctgatggtg agggcaactg gcacatagtt ttttaaatct ctcccaatat 180

tcatataggt tctccccact gagttgtcta atacctgaaa tatcctttct gatggttgtg 240

gtcctggaag aagggaaaat tttttctaag aatactctct tgaggtcatc ccagctcgtg 300

atggaccttg gagcaaggta atatagccag tcctttgcca ctccctctaa agaatgagga 360

aaggccttca gaaatatatg atcctcctgg acatctggtg gtttcatggt gaagcagaca 420

atatgaaatt ctttc 435

<210> 6367
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6367

atctctaagt cacctgcggc tgcaagctta agaataagat aagatcaaga ctcaagaatc 60

attagaagac ttaatcaaga taagtatgag aaggagtttt caaaaactga gtagcacatg 120

taattttcac aaaacatgtt taccaaagag ttnttactct ttggtaattg attaccagat 180

tgctgtaatc gattaccagt agcaaaattg ttgtgaaaaa gttntcaaat tgaatttaca 240

acgttccaat taatttcaaa aagctataat cgattacaat gttttggtaa tcgattacca 300

gtacctctga acgttgaaat tcanattcaa atgtgaagag tcacatcctt tcacantaaa 360

agcttgtgta atcgattaca ctgatttggt aatcgattac agtgatggc ttatgaataa 420

atcanaaaat gtaactcttc anaaggtttt gactnttcac natggtttaa gttttctaaa 480

agtataactc ttataat 497

<210> 6368
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6368

gcttgtagaa caccaaagat gtaagacana attttgtatg taagtgtaaa tttgaaacaa 60

taagagctaa tatacaatca gatacctgaa agtgataatt tatgttgcta tgatccctaa 120

caatgtataa ttagtccctg ttagattaca tttatcttta catgatcttg tatatattat 180

tacacaaaaa cttatgattc tgattgatat gtaattacct aataatcagt aattgattga 240

tatgtaatca atattgattc tgatttctcc attataaata aagatgagat gtggtcatct 300

aagacacaaa attacagtac aactaataca ctgctatatg gtatcaaagc ttaagttatt 360

cttgacag 368

<210> 6369
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6369

ggccgaagtg gagaaacaat gtggaaagca tattaagatt atgagatccg atagaggtgg 60

agagtacaac ggtagataca cgaagaatga acaagcacct ggtccatttg tgaaatttct 120

tcaagaacat aggattgttg tccattacac tgtgccttta gatcaaaatg atgcggtaaa 180

aagaagaaac taaactntaa tggacatggt gaaaagtata aggagtaata gaaaacttcc 240

tcaattcttg tggattaaat ctctaaaggc ggttgtgtat atattaaatc gagtatcaac 300

caatgttgtc tcaaagacan ccttttgagc tattcaaagg ttggaaaccg agttngcgac 360

atatatgcat ttggngatgc ccgtctgaag tgagaactta taacccacaa gaaaagaaac 420

tagacccaat gactattagt 440

<210> 6370
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6370

gagtcatcga gtcacttttc cattaagtat gaataaatgt tatgttcctt ttgctntaat 60

ccattctgat gtatggtgtc catccccaaa atcttctatc tctggttatc ggtggtttgt 120

gatatttgtt gatgattgca ctcgaatgac ttggatttac ttgttgaaac ataaaaaaat 180

gaagtggtac acatatttca acaatttcat aaaatgattc agactcaata ttcaaagaag 240

attaggatcc ttcgctctga taatggtggg gagtttgtaa atcaccaatt ccatgagtat 300

ttcaaaaaac acggacttat tcacgaaacc acgtgtccac aaactccaca acataatggt 360

attgcagaac agaaaattcc gcatatcctt ganactgctc gtgctctttt acatggagca 420

catgtgcctc accaccattg gactgatgtt gttactacaa c 461

<210> 6371
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6371

agcttatctn tcagagtctn gaaagctgcc aagcattcat catcaagctt gaagactgcc 60

tctntattca gcangttgct caatggtttg acgaatttag agaagtcctt gatgaacctc 120

tgatagaagc ctgcgtattc gaggaaactc ccgataccct tggcatttat tggtggaggt 180

aaattctcaa tgacnatcaa tttggctttg tccaccttaa tgcctcaggc tgaaatcttg 240

tggcccaata ttattccttc ttggaccatg aaatgacact tctccttatt cagcaccaga 300

attgcttcaa ctcatcttcg caatacgagc tctagattag tcaagaagta gtcaaaggaa 360

agcccaaaaa ttgagaaatt gtccatgaag acctttatgc actnttctac catgtcntgc 420

aaaatagcta gcacgtacct ctagaaaagt ngtggtgcat tacataaccc gaatgaca 478

<210> 6372
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6372

catttttatt atagttataa tttatatgtt ttaatgtaat gaaaaactga atttntaagt 60

caaactctgt ggatgaatat atttttatta aaagatgtat gaaattacac ttaactcacg 120

gcgaagtaac aatatgcctc agactacatg tacaattaag ctattaggga gaaactatat 180

tattttatga atntggacaa taagttcttt cattaagtat ataatatggg tattcattgt 240

aaaaaattat tatagtaatt cacatctata attgtataaa agtatacgtt tgatgtatga 300

tttatgataa ttttatgata aaatacttac taccaagaat attatttctg cacatatggg 360

ttataaagct taccaatata tatatatat 389

<210> 6373
<211> 223
<212> DNA
<213> Glycine max

<400> 6373

ttatcgagac actcgaaatt gaacaattca agctctcgag aatttcatat ggtcatatcc 60

tttcactgcg aggtccgatg caggcgcata atataatgac gacgcatcta aattgaacaa 120

ccgaagctct cgagaaattc acatgtgcat aaccattcac acggagggca tattaatgcg 180

cataatatat cgatacgcat catactgtac aacggtagct ctg 223

<210> 6374
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6374

atcctcagag tcacctgccg catgcaagct tgaactatct gtgattccac aacttcaatg 60

ttttctcgta aaatagttca tgtcattaat aaatatagca aaaacattga atttcaccca 120

caanaaggga cttttcttca acttanatag gctntgtaca tataaaagaa ggatttatga 180

gaaattgaat ctaaccaccc cccgaaatat aaagtatcaa cactgtaatt atattctaat 240

tacccaaaat agttgaggac ctcaattatt tgatctgcta aatcttcagc agaaggaata 300

ggatcctcgg cacaattggc agttgctccc aacttcaaga actcttgtgg aagtttcaga 360

gggaaaacta tatgaataat aatattcagt tctacatgca atanaaaata catncaaatc 420

aaccaactta canacctcat gtccaggagg actgatatga tatatgcana agttgt 476

<210> 6375
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6375

agcttccatt gctcaatttc gagcatctcg atatattatg cgccttaata ggacctccaa 60

gtgaaaattt atgacctatt gaatngctca agagcttcca ttgttcaatt tcgagcgtct 120

cgatatatta tgcacctgaa tcgtacctcc gagttaaagg ttaagaccat ntgaaaatct 180

taagagcttc cattgttcaa tttcgagcgt cttgatatat aatacgcctc aatcagacct 240

ccgagttaaa agttatgagc atttgaattt ctagagagct tctgttgttc aatttcgagc 300

gtctcgatat attatgtgcc tgaatcggac atccgagtga naagttatg 349

<210> 6376
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6376

caatcacatt tagcaactca gtggatatgt tgtggattga tagaacataa gtaatgtaaa 60

gtaaatatag tactttacta gaaggaaaat gattgttgaa catatgttgg tgcttgaaat 120

ttgactttcc aaaagtaatc atccttagta gaatcatatg ttgttgaatt aggccaatag 180

tattattact taccctattc tttaatttag gatatatnta tcattaatta tctttagatt 240

aaattatcct taattaatcg ttatgacaaa taattacaag acagaaaaat gtattaataa 300

tgataggggt atttttaaaa aatacaaatg taattatttt gatacaaatt taagacaatt 360

atacttcact tgaatgaaac tgtaaatcaa cattatttnc agcatgata 409

<210> 6377
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6377

ggagcgtctc gatatattac tgtactcaat cggacatccg aataaaaagt tattgtcgtt 60

tgaattngct tagagcttct gttntcaatg tggagcgtct cgatatatta cgggactcaa 120

tcagacatcc aagttaaaag ttaatgtcgt gtgaatatta tacgaggttc caatttcaat 180

ttggagcatc gcgatatatt acgggactct attggagatc cgagaacaaa gttattgtcg 240

tttgaatntg atacgagctt ccgttttcaa tttggagcgt ctcgatatat tacgggactc 300

aatcggacat ccgaataaaa agatattgtc gttagaattt gcttacagct tctgtttcaa 360

gttggagcat ttgattatta cgggactaat cagacaccaa gttaaaagtt 410

<210> 6378
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6378

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cagcagaatg gagaaggaga aagatgaatg gagacgccac ttcaagtaga agatgagtct 120

agaaaaagct caccaccata ggatgccatg gataagagct tgaaggtaga agaagatgaa 180

tgaagggaca ggataagaag agcacgaaat ttagtgcctc taaagaagtc tgaactttga 240

agtttaattc tcaaaatgat caaagttcan aanaatgcac acacatgacc tctatntata 300

gcctaagtgt cacacaaaat tagagggaga attgaatttc tattcaaatt tcacttaaat 360

nntgtggagc caaatttgga gccaaaattt cactaattta tgatagtgaa ttttagttat 420

ggttcagccc act 433

<210> 6379
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6379

tctggactat aacgccctta tgacggtaac gtatacactt atactaaatc actgtcatat 60

aaattgttag aatttgtgcc aaagcagata ctatctaacc taatacttta tagtatatta 120

tttgccatat tagtgttaga ttatactgtg gagtaccttt cacatataat acaaatatat 180

attacgtatt agacatgacc tgacctgcat attcccaata cccggtacat cgaacaaatt 240

aatatgtgat tgaaaggagg aaagtaatgt atgattgaaa ggatctcacc aaaatgttaa 300

tatgtgaata attaatatct aatgcatcta attaagggtt atcggaagag taaaagggtg 360

tccattaata tacacagtat tcgagtatat gttattgtgc agtttcaata ccaagtaact 420

gctacgacaa ttacattaac tactcattac ctatgtttgg taannataat gaatcattat 480

caattgcata tatacaat 498

<210> 6380
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6380

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gttagctctg taatgactgg aagctagtaa tggagtgcta ccagttctag agaatcggta 120

cgatgaatac cggccctgtg ttttcttcca gaatttggtg cttaaaaatt cagcaccagg 180

tagcaggcaa caagtattct taggagcatc agatttagat atccttccac ttgatacagc 240

caaatcataa gagatctcat ccaatgctaa ctccaggcca tgcacacgag tctctaaagt 300

atgcattcca ttttcagagt tcctcatgaa tttctgcata anaatatatg gtggatattg 360

tcagacatgc ccatcattcg agagttggca tactctacat atatgtgcac ata 413

<210> 6381

<211> 290
<212> DNA
<213> Glycine max

<400> 6381

cttggccttt tgccacaact ctcgtaaatg ggagagaaat gttcatctaa agcatacaag 60

tccctaatat tatcaaatcc taaaatttga gctcctaggg agcaaaacaa tgtgtgtctc 120

ctatagaggg catcagctac cacattcgtt tttccctttt tgtatttgat aacatatgaa 180

aattgctcta ggaactctac ccattttgca tgcctcttgt ttaacttgct ttgccctcta 240

atgtacttaa gtgattgatg atcactatga atgacaaatt ccttggaaac 290

<210> 6382
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6382

atctgactca cacgaggctg gatagactac tcgtatatga ctctctagtt cccatgtggc 60

gtcttctcct aatgcacctc cctagatcaa cttgactaat ggattctgct tctctcttac 120

gtgctttgta cgcatatact ccatcctcan aggcaatgtt tgatatgtca agttctcctt 180

cacttgtatg tcatccaatt tgatcacatg agatggatca tggatatact tacgagttaa 240

gacacaagaa agacattgtg aagattataa agagaccgng gtaatgcaat ttggtatgcc 300

atgggactga ctctnttaga gaatatggaa cggaccacga aaatgaggtg tgagtctttg 360

agatttacat gctcgaccaa cccaagtgca cggagtgact ctagagaata catgatcacc 420

<210> 6383
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6383

actgaacata ttctctaatg atatgatgat caatgtcaat gtgcttggat cgttcatgat 60

gagcagggtt tgaagcaaga cttatagcag atttattatc acaaaataac atcacagagg 120

gcacatcaac ttcaaagtga agaattaact tgcttaacca aacaatntca ctagtaacag 180

aagacaagac acgatattta gcttcagtgg atgatattga aacagtggat tgtttcttag 240

aacgccaaga aagaagttat tntccaaaaa gacacataag tcagaagtgg atcttctggt 300

atcaacacaa ccggcccaat cagcatctgc aaaggcagtg aggttgagag agttctgagc 360

atggaaaaac atacctcgtc caagagcaga attgatatac tgcantaaat gatgaacaac 420

atg 423

<210> 6384
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6384

tgactgaaga cattgaagtc tntngagatg taaatgaaga cattgatagt cttgacaaaa 60

gactctgata gtctttgaaa tgtaaagaag actttcatag tcttgataaa agactctgat 120

agtcttttaa atgtaaagaa gactttgata gtcttgacaa aagactctga tagtcttgga 180

aaaataaaga agactttgat agtcttgaca aaagacattg aagtctctga aacgtaaaga 240

agactttgat agtcttaaca aaagacattg aagtctttga aatgtaaatg aggacattgt 300

agtctttaga atgcataaag atagaggact ntgagtccta tgaaagataa agacaaagga 360

ctttgattcc tatgaaagat aaacgcgagg actntgagtc ctatgaaaga tataagagat 420

gagtgtataa tctcaacat 439

<210> 6385
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6385

cgacaataac atnttactcg gatgtctgat tgngtcccgt tatatatcga gacgctccan 60

atngagaacg gaagctctga gcaaaatcaa aagacaacaa ctttttactt ggatgtccga 120

ttgtgtcccg ctgtatgtcg cgacnctcga aatttagaac agaagctctg agcaaaatcg 180

aatgataata agattttact cggatgtccg aatgaatccc gtaatatatc aagacgctcg 240

taattgaaaa cggaagctct gagcaaattc taacaacaat aacgtcttac tcagatgtct 300

gattcagtct cgtaatatat cgtgacgctc gaaatcgaaa caaaagctct gaataaatca 360

aaagacaata 370

<210> 6386
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6386

agcttctcat ttcaatttca agcgtctaga tatattactg gacacaatcg gacatccgag 60

taaaatgtta ttgtcgtttg aatatgctca gagcatctgt tatcaatttc gagcgtctcg 120

atatataacg ggactcaatc cgacatccga gataanagtt attgtcgttg gaatttgccc 180

agagcttcat atttcaattt cgagcgtctc aaaatattag agcactcaat cggacatcnt 240

tagtaaaagt tattgtcgtt tgaatttgct acgagcttct atattcaagt acgagcatct 300

cgatatacta ctggtcccaa tcggacatcc gagtaaaaag ttattgtcgt taatatattc 360

taagagctta tgtattcaat ttcgagcgtc actatatatt acgggactta atc 413

<210> 6387
<211> 222
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6387

cagctcgtcc ttatggttat taatgtatga atcgttgcaa ttgcacctct tccttgtcag 60

gcaatatatc tgtttgcatt tgggattcca attttcatca acagtggtta ccctactcct 120

cacgtgaagt ggaacttgtg ggttatccac aagctgctgc ttacccttgt ttatggntcc 180

atactgtaca tgtatcattc taggtggaga gaaaggttac ct 222

<210> 6388
<211> 453
<212> DNA
<213> Glycine max

<400> 6388

agactcttaa tatatgaaga gtattcttat ggaaccttca cccgacgaag acactgacaa 60

aaacttatct tctcctcttt ggacaaagta tggcaggctg ctggcaagct aatattcttc 120

ccgtcagacc ttggatgcaa ctgtgatcgt gtgctcatat cagctagatc ttgacgggta 180

tccaagccat ccttcgtctt gcctagaata gtaagcagcg caccaatcac actgtcgcaa 240

acatttttct ccacatgcat aacatcaata caatgtctaa cgtcaagatc agactagtac 300

ggaagatcaa agaacataga cctcttcttt catatgcaac tcttactctt atccttcttt 360

tgggtctttc cacatacaat attcacgtgt tgaacacgct catatacctg ctcaccagtc 420

aacagtatcg gcgcaatatc atgctcttga ctt 453

<210> 6389
<211> 327
<212> DNA
<213> Glycine max

<400> 6389

atagagtaga agatagatca ttgatccatc ctccaccttg ttgtgtataa cacaacaatc 60

atagagactt ctcttgaatc ctcgactggt gataaagcta tcagacctca tgtaccattg 120

ccttggagat tgtttcacac catacaagga tctctgcagt tgacaaacat acctttcttt 180

tccttgaact tcaaaccctt cacgctggtt tattagaata ttctcttcca atctttcatg 240

gagaaaagaa gtcttgacat caagttgttc aagttccaga tcttggtttg ccactatagc 300

aagcaaaatc ctgatggatg catgtct 327

<210> 6390
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6390

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ccttcataaa gaatatgcat atccttcatg gaattctcat tctcaatgag gtggtggatg 120

aagctatttg gaggaagaag cctgctatga tgtctaaagt ggattttgaa aaagcctatg 180

attcggtatc ttggtctctt ttggattata tgttgatgag attaggcttc tgccttaaat 240

ggagaaaatg gatttctact tgtctccaaa cagctacaat ttcagtccta gtaaatggga 300

gccccacaaa ggagttngtt ccttctagag gattgaggca 340

<210> 6391
<211> 252
<212> DNA
<213> Glycine max

<400> 6391

tcaatgatca tactacacat ctagaggcct tctaaagcta agcacactag aaggggttcg 60

attaatcaaa taaatcgcag atctcatagc ctcactccat acatgagatg agacattacc 120

atctatcata actgatcttg tcacctctaa tatttgacta tctttcctat cagccactcc 180

attatgttgt ggcgaataag gacatgtggt ttaatgcatg aatccattac agttcatgaa 240

ctctattaat tc 252

<210> 6392
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6392

tgaagctctg ataccactgg ttagatatgt gttctcatat atcataagaa ggtgggntga 60

attaagatat tccaaactac ttccacaatt aagaatctat ttcactttnt attcaagtta 120

taaattccct taataatgaa cttcttaaat attgattcac ataacacaat ttgaatatga 180

atataaagca gtaataaaca aaggagatta agggaagaga aagtgcaaac tcagatttat 240

actggttcgg ccacaccctt gtgcctacgt acagtcccca agcaacccgc ttgagagttc 300

cactatcttg tagattcctt ctacaagttc taaacacaca acgacaatcc ttcctttgtg 360

tttagaagtc ctttacaaca ag 382

<210> 6393
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6393

tataaaataa attagagggt accaatacca aaactggcta taatctgcaa gaccaaccac 60

tgcagtaatt ntatcatgtt gtgtcttaga aagtaacctt atggtcacat ttctgccacc 120

agcatcaagg attcctgatg ccaaaattgc tcccatcttg ctcatggtat cctcatgctt 180

gtccagaata attttctcca attgtcgcct agaacacaat tattgtaaga aaacaacaaa 240

tatatagcct cactgtccaa aataaatagg acagacttac ctaaatgttc ccacacgtga 300

gtcactagct tcactgatct gaaccatgac catagccatt gctataaggg caccttgacg 360

aacaaaatca acaacatccg atgtcaaagg ctccaataaa gaaatagcct cactgagacc 420

tgtacccgca cangagatac ccacagcaag aagctgctca tatcgaacat gtgg 474

<210> 6394
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6394

tctanactnt atacaagaat gaagctctga taccacttgt tagactagtg gtctcagata 60

tcataagaag gggggttgaa ttaagatatt ccaaactact tccccaatta aaaatctatt 120

tcacttttta ttcaagttat aaattccctt aataatgaac ttcttaaata ttgattcaaa 180

taaaacaatt tgaatatgaa tataaagcaa taataaacaa aggagattaa gggaagagaa 240

agtgcaaact cagatntata ctggttcggc cacacccttg tgcctacgtn cagtccccaa 300

gcaacccgct tgagagttcc actatcttgt aaattccttt tacaagttct aaacacacaa 360

ggacaatcct tgctttgtgt ttagaattcc tttacaacaa gagacccacg gtctcttaat 420

cccttagaga atgaggagaa gaagaagaat gaatctctct agaaag 466

<210> 6395
<211> 388
<212> DNA
<213> Glycine max

<400> 6395

ctgcaacgtg aattctgttc aactgataag atatctttct aattcagcca actaactaac 60

tatttctgtt aaagctgttt atactgctaa gagcctccct caagctggga atggatattc 120

atcattccca gcttgttaca aaggagctga catgtggctg gtggcaaagc cttggtgaat 180

atgtccggga gttgcatgga agatgagacc ggaaggagct ctacaagacc cgcaatgact 240

ttgtggcgga taatatggcc atcgatctcg atatgcttag tgccgtcatg gaaaaccgga 300

ttcgtggcta tctgaatggc agattgattg tcacaatata acgtggctgg ctgaataaat 360

gctacaccaa tgtcatggag aatatacg 388

<210> 6396
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6396

tgtcatctac atagagtaga agatagatca ttgatccatc ctccatcttg ntgtgataaa 60

cacaacaatc atagagactt ctcttgaatc ctcgactggt gataaagcta tcaaacctca 120

tgtaccattg ccttggagaa tgtttcaaac catacaagga tctctgcagt tgacaaacat 180

acctttcttt tccttgaact tcaaaccctt cacgctgttt cattagaata ttttcttcca 240

atcttccatg gagaaaagaa gtcttgacat caagttgttc aagttccaga tcttggtttg 300

ccactatagc aagcaaaatc ctgatggatg catgtctaac c 341

<210> 6397
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6397

agctngacan gaatgaagat gagaagaaga agcattatta gttgaaggag aagtntgaca 60

acccctgcaa agtgatcaag gatgacaaat ctatgaagga tcttattctg tttctgtttg 120

agactgctct tctcacttct agtttcagcc gtgaaggatc cacataatgt ttaagcttgg 180

actgagcatc aatgaagatg cacgtgaagt tgttgctgac atgcccccac tagaggaggc 240

cgaagccgat gctgatggca gcaagatgga gaaggttaat taaacttaaa tatgatgtgt 300

ttcttattag tagcttatct aatgcgtatg 330

<210> 6398
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6398

ctgtcctaag caaaggtccc aatgtcctat taacaacttt tgtttgccca tcggtttgtg 60

ggtgacaagt ggttgaaaat aacaatctag tgcccaactt gccccacaaa gtcctcccaa 120

aatggcttaa gaacttagag tccctatcac taacaatgct tcttgtgcaa ccatggagtc 180

tcacaatctc cttgaaaaac atatcagcca catgggaagc atcatcaact ttttttacat 240

ggaataaaat gagccattnt agataaccta tcaacaacca caaaaatgga atctctacca 300

ctgcttggtg ttggcagccc caaagcaaaa tccatggata aatcaatcca aagatactcc 360

ggaattggaa tgga 374

<210> 6399
<211> 415
<212> DNA
<213> Glycine max

<400> 6399

gcgtctcgat attttacggg gctctatccg acatccgagt taaaagttat tgtcgtttga 60

ttattctaag agcttccctt ttcaattacg agaatctcga tatattacgg gacacaatcg 120

gacacccaag ttaaaagtta ttggtcgttg aattttctca aagcttctat tttcaattac 180

gagcgtctcg atatattacg ggactcaatc ggacatccga gtaaaaagtt attggcgttt 240

gaattttctc agagcttctg ttttcaatta cgagcgtccc gatatattac aggactcaat 300

cggacatccg agtcaaaagt tattgtcgct tgaatctgct cagagcttct gttttcaatt 360

acgagcgtct cgatatatta cgggactcaa tcggacattc gagttaaaag ttatt 415

<210> 6400
<211> 423
<212> DNA
<213> Glycine max

<400> 6400

gaaatcacat gtttgtcatc atctttttgg ggagaatgtg aatgtatgta tacatgattt 60

tgatgatgtc aaagaagaat ctaacaaggc tgcttcaaat gataagcatt tgcttcaaga 120

ataattcaag attgcttcaa caaacaaagc cttgtttcaa gattcactaa agaccaagcc 180

ttgccttaaa acaaagtgct ttcaagacat gcaaggctct ggtaatcgat taccaggaag 240

tgtaatcgat taccagaaga cagggttgag aaatagctgt tgaaaaatgt tctgaatttg 300

aattctcaac atgtaatcga ttaccatatg tctgtaatcg attaccagca acgaaacttt 360

ggaaattcaa attcaaaagt cataaccctt caaattataa ttgtgtaatc gattacacaa 420

aca 423

<210> 6401
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6401

caaatgatgc atatgatttt gtagctacct catgcactcc tctaatgact atggcatcat 60

ttctggcgct aaactgctgg gagttggaag ccatcttctt aatcaagttt ctagcttcag 120

caagagtcat gtctccaagg gctccacccc tggcagcatc tatcatattt ctcaccatat 180

tactgagtcc ttcataaaaa tattggagaa gaagctgctc cgaaatttga tggtgagggc 240

aactggcaca tagtttttta aatctctccc agtattcata taggctctct ccactgagtt 300

gtctaatacc tgagatatcc ttcctgatgg ccgtggtcct ggaagcaagg aaatnntttt 360

ctgagaatac tctcttaagg tcatcccagc tcgtgatgga ccttggagca aggtaataca 420

gtcaatcat 429

<210> 6402
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6402

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tgctagtgga gttggcattg gggctgtttt gatacaaaac aaaaggccta tagcttattt 120

ctcggagaaa ttgggaggag ccagattgaa ctattgcacc tatgacaaag agttctatgc 180

cattgtgaga gctcttgatc attggaatca ttatttgcgt tctaatcact ttatattgca 240

ttcagatcat gagtcattga agtatatcaa tgggcagcag aagttgagtc caaggcatgc 300

taaatgggtt gaatttcttc aatcttttaa tttctcttca aaatacaagg atggtaagag 360

taatgtggtg gctgatgcac tntcaaggag gtatgcttta atttcaattc ttgaaactcg 420

tttac 425

<210> 6403
<211> 427
<212> DNA
<213> Glycine max

<400> 6403

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ccacacttct tcacgcactt tattctttag cttcttagtt ggactctgat tcagcatata 120

gactgcaagg gacacaactt ctcccaaaaa ttctgatggc aggtgtttct ccttcagcat 180

acatctaccc attgtcatta cagtcctatt cctcctttca gccagcctat tatactgagg 240

agtatatgga gcagtaactt catgcattat gccatgttgg atacagaaaa attcgaaatc 300

ctttgatgta tactcccctc caccatctag tctaataacc ttgattgctt tccactatgt 360

tttactcaac actataaact ccttgatata gaaagcctta ctcttgcttt atcagtacac 420

cactcat 427

<210> 6404
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6404

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ttactaactt actctccctt tatatctcaa ttatttatgt gtgcacgtga gctgatgagc 120

atgccaatga ctgattacta ctggtcgaat tttacttgat tgagatatat gaggtgaaga 180

tgtcgacccc ggcaaagaag agactgatga gggattttaa aagattggca caagatcctc 240

ctgctggcat cagaggggct ccccaagaca ataatattat gcttcggaat gctgntatct 300

ttgggtgtgt aagagtatat atatcatgaa attcttgttc tcttaagagt gtgtttctct 360

ttactntgtg cgtttggatg atgtaaggta tgataacaat cta 403

<210> 6405

<211> 419
<212> DNA
<213> Glycine max

<400> 6405

atttcgagcg tctcgatatt ttacggagct ctatccgaca tccgagttaa aagttattgt 60

cgtttgatta ttctaagagc ttccctttc aattacgaga atctcgatat attacgggac 120

acaatcggac acccaagtta aaagttattg tcgtttgaat tttctcagag cttctatttt 180

caattacgag cgtctcgata tattacggga ctcaatcgga catccgagta aaaagttatt 240

gtcgtttgaa ttttctcaga gcttctgttt tcaattacga gcgtcctgat atattacggg 300

actcaatcgg acatccgagt caaaagttat tgtcgtttga tattgctcag agcttctgtt 360

ttcaattacg agcgtctcga tatattacgg gactcaatcg gacattcgat taaaagtta 419

<210> 6406
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6406

tagaaacatg aaacactgga tgaatntgag cacattcagg caaaaccaac tcataagcga 60

ctagaccaat gacacaatta atgcaataag gtctgaaata acacttgccc aacttgaccg 120

agccataacc cctcatagat gtttgacgat aaagttataa aaggccatac taatgtaatc 180

cttccaagga ggggacccat caccagagct agctaggata cttcaggaag attgggtcag 240

ggatgcagga gaagacccta ggattctcat gagccttagg gtagattttg tgcctacggg 300

cgaagtataa acccacttat ctttgtatgt attagattag ggtttcatta ttttttgggc 360

cttgtattta gggctccata gtgtagggag ggtgccccac aagtttaggg taccctagtg 420

atctaggatt tttcagccct tgtatttt 448

<210> 6407
<211> 431
<212> DNA
<213> Glycine max

<400> 6407

tgtaatcgag tacacacata ctgtaatcga ttaccagagg attatttcat aaaacattct 60

caacagtcac atctttttgt gtgattcttg aatgactatc aaaggcctat atatatgtga 120

cttgagacac gaatttgcta atagtttttc acaacaaaaa ggtcttatcc tcttataaag 180

caaaatagct ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240

ttatttgagt gctcaaattg ttcaatctat ctcttttaag agaggtttct tcttttcttc 300

ttcttcattc tgaaaaggga ttaagagacc gagggtctct tgttgtgaaa gaattctaaa 360

cataaaggaa ggggtgccct tgtgtgctag aacttgtaaa ggaattacaa gatagtggaa 420

ctctcaagtg g 431

<210> 6408
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6408

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aggcaaacca tggagtctca caacttccct aaaaaagggt tttgagatat gggaagcatc 120

atccacctta tggcatggta taaagtgtgc catcttgcta aacctatcca ccactacaaa 180

gatagagtct acacctcttt gggttctagg gagcccaagg acaaaatcca tactaatgtc 240

tacccaaggt gcagatggaa tgggtaaggg tgtgtatagc ccatgaggca tcaccctaga 300

cttggctngt acacaaccca cacacctgat gcaatgctga tggacatctt tcttcatatg 360

gngccaatag aacttctctt tgagtaagac aaaggtcttg tctatcccan agttgcccat 420

gagcccactc tcat 434

<210> 6409
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6409

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aaagttattg tcgtttgaat ntcctaccag cttccgtttt caatgtgcag cgtctcgata 120

tattacagga ctcaaccgga catccatgta taaaattatt gtcaattcaa ttttctcaga 180

gcttcggatc taaatattga gcgtctcgat atattacggg actgaatcaa acatccgagt 240

aaaaagtttt tgtctattga atttgatacg agcttccgtt ttcaatttgg agcatctctc 300

gataaattat gacaa 315

<210> 6410
<211> 410
<212> DNA
<213> Glycine max

<400> 6410

agtctcacga ttgtcacgtg ctcatgcaac aattgttagc cgtggctata cgagacatct 60

ttccaaacaa agtcaggtta gccataactc gcctgtgctt tttcttccat gctatatgta 120

gctaagtcat tgatcctgtg aagtttgatg agctggaaaa tgaggccgca attatactgt 180

gccagttgga gatgtatttt ccccctgctt tctttgacat catgattcac ttgattgtgc 240

atctagtcag agaaatcaaa tgttgtggtc cagtttatct acggtggatg tacccggttg 300

agcgatacat gaagatctta aaagggtata caaaaaatct atatcgtcca gaagcatcta 360

ttgttgagag gtacatagcg gaagaagcca ttgaattttg ttcagaatac 410

<210> 6411
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6411

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tctaaatcac cattaagaaa gattggtttc acatccattt gnttcaactg aaggtcaaaa 120

tgagaaacta atgccaacat aatacaaaga gaatattact tatatacaag agaaaaagtc 180

ttagtgaaat ccattccttc ttgggagaaa atcccttagc aacgagtcct gccttgattc 240

tttcaaagaa gcctaatgaa tccttcttgg tcataaagat ctatgtaata ctcatcgaat 300

gcatc 305

<210> 6412
<211> 446
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6412

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gatacatcac caaaaaaata aaataatgaa agatataaat ttaaagcaga tatcttttat 120

ctacattcac acaaacatct aaacaatatt cactatctca aattttaatt tgacaatgaa 180

ttacatttat cctctattta ataatgtcaa aataacaata aattgatatc ttgacagaac 240

tataattata ataagagttt aaaataattt tacattatca tctactcatc aatcattgtt 300

gttatgattt ttaaaataat tnttatcaaa gtcaacaaac ttatatcata aatgatgatt 360

gaatgataat gtaattttac attatataat attntttctc ttataataac ctaagcaaag 420

gataaatgca cacattgatc cgatgc 446

<210> 6413
<211> 459
<212> DNA
<213> Glycine max

<400> 6413

tatgaaatgg atttaagtgc aacaattaaa taggtgttat cgtgttcaat tttacttaaa 60

cacttactgc accccgttga tcgagccaaa tggctccgga ttcagtgggc aagatcgaga 120

gtgtatgttc ttgaaaagta aaagacacaa cacaggaggt taagatgcaa atcatccata 180

tttattagtg ctacgatcat ggtttgcaaa ggattttaag actttggaga tcccaatgag 240

tccttggaga ataatcatgt atttaacctt ctagcttccc taggcgttat gcataatatt 300

gtttgacgat atcggaattc acgggtgaag gaaattcttc atcatccata ctggcaagca 360

acaatgcccc tcccgaaaat gccttcttca caataaaagg tcctttataa ttcggagccc 420

acttcccccc atggtccttt tgagcttgtg atactttct 459

<210> 6414
<211> 445
<212> DNA
<213> Glycine max

<400> 6414

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ttcttcttaa gtacttaagt atggtcttaa ccattttcca atgttcttca ccagggtttg 120

cttgatattg actagttaca cctaatgcat aagcgacatc aagatgtgta caagtcctgg 180

tgtacatgat agctcccact acactagcat atggtactct acttatgcgt tttctttctt 240

caggagttgt tggacaattc tccttactaa gagtaattcc aacacctaca agcaaatagc 300

ctcgtttgga attatccatg ttatatctct ttaagatagt atcaatgtac atagattgga 360

agagtccaag caacctttta gatctatctc tataaatctt tatacctaga atataaattg 420

gttctcccaa atccttcatg gagaa 445

<210> 6415
<211> 406
<212> DNA
<213> Glycine max

<400> 6415

actcttggag aaaggatgtt cagtgaattc agttaaaggt tctctagaaa tccatggcaa 60

agcaaagaga ttggtgatga aagctccatt ggccaagaat agaaccttca aggtaagcct 120

aaacaccatt gaatctaagt gtctttccgc tgcaactttg tcagatgatt catggttatg 180

gcaccttaga ctaggccact taaattttag agatatgagc ctcttgagat ccaaagaaat 240

gttaattggt ctccctccaa ttaaaattcc taagaagata tgtgacaatt gcttaatcaa 300

caaacaaccc aggaattcct taagcaattt tactacttct aaggctagtg aaatattgca 360

tgttgtttac tcagatatct gtggacctct tgacactcca tcatta 406

<210> 6416
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6416

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aaacaaagtc aggttagcca taactcgcct gtgctttttc ttccatgcta tatgtagcta 120

agtcattgat cctgtgaagt ttgatgagct ggaaaatgag gccgcaatta tactgtgcca 180

gttggagatg tattttcccc ctgctttctt tgacatcatg attcacttga ttgtgcatct 240

agtcagagaa atcaaatgtt gtggtccagt ttatctacgg tggatgtacc cggttgagcg 300

atacatgaag atcttaaaag ggtatacaaa aaatctatat cgtccagaag catctatagt 360

tgagaggtac atagcggaag aagccattga gtnntgttca gaatacattg a 411

<210> 6417
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6417

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tgcaagttga aagccttgga ggaaagaggt atgcctatgt tgttgtggat gatttctcca 120

gatttacctg tgtcaacttt atcagagaga aatcagacac ctttgaagta ttcaaagagt 180

tgagtctaag acttcaaaga gaaaaagact gtgtcatcaa gagaattatg agtgaccatg 240

gcagagagtt tgaaaacagc aagtttactg aattctgcac atctgaaggc atcactcatg 300

agttctctgc agccatcaca ccacaacaaa atggcatagt tgaaaggaaa aacaggactn 360

tgcaagaagc tgctatggtc atgcttcatg ccaaagaact tccctataat ctctgggctg 420

aagccatgaa cacagcatgc tatatccaca aca 453

<210> 6418
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6418

ccaaaatatc ttaactttaa ggtagatata acatgtataa actgaattat actagcaaag 60

gaatggtaag agatgttaaa gttatattta tcaattatca agactaagta cattatctca 120

aatcacacct tcttgcttat tcttataggg aaatgatcat tntatggcaa cataagtaat 180

tgaagcccga aaggatacac ctctactgcc aattcagtct gggaaagacc tgaactaaat 240

aactttcctt gccaatgtag gtcaccgcca tacctagtca aggggaacaa agttaggcaa 300

ctcattaaag cctagttaaa gggttagtca tctaagtttg tgtaatatat cattaatata 360

atatatcact tattacattn tagatgaact atatatgacc agtgtgacaa gtaaacaatc 420

tca 423

<210> 6419
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6419

aaggactcat ggtcactatg aatgacaaat tccttgggat aaaggtagtc tggccatgtt 60

ttcaaagccc gtactaaggc atacaactcc ttatcatata gtgaatagtt aagggtagga 120

ccacttaact tttcactaaa ataagcaatt gaatggcctt cttgcatcaa cacagtccca 180

atcccaacat ttgaagcatc acactcaatt tcaaaagatt tttgaaagtt tggcaacgca 240

agtatgggag cattaattag gttttgctta agaacattga aagctntttc ttgtttctct 300

ccccatttga aaccaacatt tttcttgagc acttcattga gaggtgctac caatgtgcta 360

aaatccttca taaatcgtct ataaaaa 387

<210> 6420
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6420

tgccttgccc cttgatatat ttgaaggact catggtcact atgaatgaca aattccttgg 60

gataaaggta gtcttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attgaatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

atttttgaaa gtttggcaac gcaagtatgg gagcattagt taggttttgc ttaagaacat 300

tgaaagcttt ntcttgtttc tctccccatt tgaaaccaac atttttcttg agcacttcat 360

tgagaggtgc taccaatgtg ctaaaatcct tcataaatcg tctataaaaa cttgctaagc 420

catgaaaact cctcacctcg gtc 443

<210> 6421
<211> 350
<212> DNA

<213> Glycine max

<400> 6421

gaatcaactg agaaagtctt tccacacata atacaaaaag gtaactggat agaggatatc 60

tttgcctaag acccctcgaa agattgaaaa cattactctt ctccccattc aatagaactt 120

ggaaagatgt gaaaggcata cactcgtaaa caatactaag gaaatggtca tcaaaaccca 180

aatccctcaa agtgtgaatg acaaaatctc actaaatgct atcatatgcc ttctctagaa 240

caactttgat cgccataaac ccttttctcc ctttagatct tctcgtctta tggaaaactt 300

cttgagccat attaccatta tccctccctt gtctccctag aataaagctg 350

<210> 6422
<211> 348
<212> DNA
<213> Glycine max

<400> 6422

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gttctgacca ttataatttg tcgagagctt ccgttgttca atttcatacc tctcgatata 120

ttatgcgctt gaatcggacc tccgtgtgaa aagctatgac atattgaata tctcgcgatc 180

ttccattgtt caatttcgag cgtttcgata catgatgcgc ctaaatcgga catctcggag 240

aaaacgtact aacatttgaa ttcctcgaga gctttcgttg ttcaatgtcg agcgtctaga 300

tatattatgc tcctgaatcg gactttcgag tgagaagtta tgaccatt 348

<210> 6423
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6423

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taagtaaagc gcaaacatcc aaatacttta aaaaatttca agaagggtnt ataaccatac 120

caagcctcag aaggagtctt ctcatctact gctttggtgg gaagtctatt taacaaaaat 180

actgcagtgt ttgtagcttt cgcccaatat gccttaggta actctttctc atgaaacata 240

catctgacca tttccaagat tgtttgattc tttctttcac taaccccatc ttgtttagag 300

gtgtaagaag cttgtaattg atgtcaatgt ctgcttcctc acaaaacatg atgaggtatg 360

ctgaagtgta ctccttacca ttatcagacc tcaaagcttg aatcatgcag ccactttgct 420

ttttaatcca ct 432

<210> 6424
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6424

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aaggagatcc cctctcccct cctcttttga ttggcagaat tagttctcag cagagggata 120

tccaagttaa ttcagaatgg tctcttacct cggaggtcag gaccaagggg ctgtctcatt 180

cccagtcatg ctttttttac agatgatctt atgatttttt gccgtggcca aaagaaaggg 240

ttgatgcatt tgatgacctt gctttctcaa tatggggaag cttcgggaca gtggattagc 300

ctggaaaagt gcagatcaga ttttttcatg gcgttctctc tcgaaatagg atcctctctt 360

atggacatcc ttggtattgg aaagggatct cttccttttc attaccttgg tgttcctaat 420

ttccaaggta gaccacaggc aagttatctt at 452

<210> 6425
<211> 440
<212> DNA
<213> Glycine max

<400> 6425

tctcgatata ttatgtgcct gaatcggact tctgtttgta ttattattac catttgaatt 60

tctcgagagc tttggctgtt cagtttcgag tgtctcgata tattatgcgc ctgaatcgga 120

cttttgtgtg acaagttatg aacatttgaa tttctcgaga cctttcggtt ttcaatttaa 180

atcgtctcga tatgtgatgc gccagaatcg gacttccgcg tgacaagtta tgaccattgg 240

aatttatcga gagctttcgg tgttcaattt cgagggtctc gatatattat gtgcctgaat 300

cggactttcg tgtgacaagt tatgaacatt ggaatttctc gagaccatac gatgttcaat 360

ttcgagcgtc tcgatatatt atgcgcctga atcggacttc tgttagacat gttatgacct 420

tttgaatttc tcgagagctt 440

<210> 6426
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6426

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gagcttgttg caattcttct agacttggag tgataacata caatcctctt gaacccttac 120

ctcccactct ttcgccatgc taagactccg gaacctcaac aagtatgaga aaaaacttag 180

cttttccttt ttggataaag tatgagaagc tggaggcaag tatattttct taccatcaaa 240

ccttggatgt aactggtctc gtatacccat ctcaactaga tcttggcgag tattcaaacc 300

atcctttgtc ttgccttgaa tgttaagaag attgtcgatg acactatcac acacactttt 360

ctcaacatgc ataacatcaa tacaatgtat gacatctaga tcgaaccagt atggaagatc 420

aaa 423

<210> 6427
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6427

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acggacttca tacttgactt gattgttcat cgtcccaaac ttgaacctta gggattgctc 120

taggattatt tcatttgggc tttctaggat gacaccagtc ctactccctt tntcattgga 180

tgaacccatc tgcatacaaa ttccaccact cggattgtag ttctgtagtt gttgtcaatt 240

cgacgatgaa gtctgctaag cattgagcct tcgttagatc ccttggtttg tacttgatcc 300

caaactcgaa caactagacc gactaacata tcattcggtt tgcaagttct ggtttcatca 360

tgactgttaa gatatggtgg ttggtttaaa ctatgatttg atgactttgg a 411

<210> 6428
<211> 405
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6428

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caactaagaa tcccattggt tggtccatat aaacattctc ctctaattct ccattaagaa 120

aggcattttt tgcattcatc tgatgtagct ccaagtcata atgggctact aatgctatga 180

taatcctgaa agaatccttt agtgagaccg atgaaaacgt ctctttataa tcaatgccat 240

ctttcttagt aaatcccctta gcaacaagtc tagccttgta acatttaagg ttgtcatgag 300

agtcacattt agtcttgaag acccacttac aaatcttaca actttggtaa ttctacaagg 360

tcccaaacac cattatgttc catggaatct atctcttctt tcatg 405

<210> 6429
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6429

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ttgggtaaag atagtgaaaa ttttgtgaag tgtcaaaaac tagacacaat ctcgaaaaga 120

aacaatataa attattgtat tttcttggtg gcttttctta ttatttttgt ttatttgaaa 180

aaacatgatt ttaagtcatt aattattgtt tgtgccttaa cattttttaa aatatcattg 240

tcttacacta caaacacgac aaacaatagt gatttttata tcacaattta actcttaaat 300

caattacgtt tttttattta taaggttcaa acataaaatt ttacttaaga attgagtcta 360

atgtggatgt ttttataagt acatatgtta taataatgta atttttttccc cttaaatcta 420

att 423

<210> 6430
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6430

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gggtgttggt caatgtacca catttaatag tacaaactaa aagaacaaga aaaacagacc 120

aatttctagg cgtctcagaa aaaactttag acaagacagt tcacctaata aggttttgga 180

ttagtagtaa tcatatttgt gtaaataaat agcttaccag agttcattgg actccatcgc 240

tggaaccgaa aaggagatgg tatgttgaga acagaagcac cagaaacact gttatgcctg 300

gaaatgggaa gatattgcct ccggaaaaac cttggcatcc aattgccaat acatgataaa 360

gcacanagaa gaagaataaa a 381

<210> 6431
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6431

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atctacacct gtcgcaagag tctgtggtct atgttcttct gcagatcacc atacagatct 120

ttgtccttct ttgcagcaat ctggaatcaa cgagccacct gaagcttatg cggcaaacat 180

ttataataga catcctcagc agcaaaacca acaacagctg aataattatg acctttgaag 240

caatacatac aatccatgtt ggaggaatca tccgaatctg cgatggacat gtcctccaca 300

acaaaaataa gccgtccctc cttttcagaa tgttgctggt ccaagcaagc catatgttcc 360

tcctccagta cagcagcagc gatcacaact aacacaacaa gcagatg 407

<210> 6432
<211> 420
<212> DNA
<213> Glycine max

<400> 6432

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gatagctaag tgtgccaagg gtgctcctcc tctggctaaa ccagaagcaa gtcccctata 120

atttgcattt cctacaaagt aacctgctgc tgtggaagct gtgtgagtgc catggccaat 180

ggcatctctt gccgagagat attcatcaga gttgtttcct tggaggagtt tcttagtctg 240

atcacttatt cctttcatga accatctagc acctattatc ttcttgttgc aattggtgga 300

gttgaagtgc tttccccctt gacaaattcc tttccacctt gatgggattt gtcccattgc 360

ttcatcattg aaacttggtg actctggcca aatgccttca agaaatcata tttgtcattg 420

<210> 6433
<211> 407
<212> DNA
<213> Glycine max

<400> 6433

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agcactttga tcttatctta tgaaaataaa atgaatatat ttttttttatc ttatcaccat 120

cttgactctt aagaaacaaa aaaaaaatag attatttaaa aaataatgga ataataaaat 180

atgacaaagc cttagtaaag atgtatatga cttattgata tgtgcagatg agatgtaaat 240

aaacatcttt atggaaaact atccttagta aagttttaag ttattattca aattccttgt 300

gtaatactct tactgtcact atttatttttt atttgtataa attgaacata aattacattt 360

gattggaata tgtaataggt tgttcatgat agttcttact atgtaaa 407

<210> 6434
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6434

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aatgagcaac tcacgggagt agtatgcctg tgcagaagaa aaggaaatag gaaaaaaaac 120

attgaatacc tacataatct attgtgttgt tcattacttt gttttttaat ctgaactcta 180

ttttattgaa ctcaaagacc ttatttacgt gtataatata tgttttttct ttattaacag 240

gtggaactga aatttcaata tagagcactt ctgtttttgg cataccagag tttaagcttt 300

atgtttggtg acttgacctt atcccctctt tatgtctatc aaagtatatt ntctggaaga 360

ctgaaaaagg tccaaaatga ggatgcaata tttggcgcat tttct 405

<210> 6435
<211> 395
<212> DNA
<213> Glycine max

<400> 6435

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ccaccttgga taggaatttc tctgatcact gccctatctt gctgaggtca agattcattg 120

actggggacc taaacctttt agggttctgg attgctggtt tcaggatagc tcttttaaaa 180

gaattgttca tgactgctgg acgtctacgc agattggagg gtggggtggt tatgtgctta 240

aagagaagat aaaacgcctc aaaagaagat taaaggagtg gaataaggag cactttgggg 300

acacttttaa gaaggtcaag cagattcaag aggagcttag taggctggaa gagaattcta 360

ttgatagaca tctgtctccc ttggaggtct cgtat 395

<210> 6436
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6436

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caacagaaca attatgacct ctcctgcaac aggtacaatc ccgggtggag gaatcatccc 120

aaccttagat ggtcgaatcc ttcacaacag cagcaacaac aacaacaacc ttattttcaa 180

aatgttgttg gcccaagtag accatacatt cctccaccaa tccagcagca acaacagcaa 240

tagccccaga aacagcaaac agttgaggct cctccgtaac cttcccttga agaacttgtg 300

aggaaaatga caatacaaaa catgcagttt caacaagaga ctagagcctc cattcagagc 360

ttaactaatc aaatgggaca attggctaca cagttaaatc aacaacagtc ccagaattct 420

gacag 425

<210> 6437
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6437

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tttcaaaaag gaacttccag cctggtcaat aggttttatt atttagttat agattaagat 120

tgtttcctat aagctgaaat ccaagtggtc tagaccattc atcatcaaag aagttatgcc 180

acatggaatg gtgatattgg aggatccagc caccaaaagg acatggaccg tgaatggtag 240

cagaatcaaa cactacttag gtggtgattt cgagaggcta acaactattg tccaactaca 300

agaggcttga accacaacaa agacgtccaa cttaaaagac attaaagaag tgctcctggg 360

agacaaccta gtatttctga actttgcttt taattttcta ttttcctaat tacatatat 419

<210> 6438
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6438

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ctatgcaagt tgaaagcctt ggaggaaaaa ggtatgccta tgtggttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcagag agaaatcaga caccttgaa gtattcaagg 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac agcagagcat atagagtatt caattccaga accagaactg 300

tgatggaatc catcaatgtg gtggttgatg atctaactcc agcaagaaag aaggatgtcg 360

aagaagatgt cataacatcg ggagacaatg tagcagatac agc 403

<210> 6439
<211> 418
<212> DNA
<213> Glycine max

<400> 6439

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tggtgcctcc cctctcccct tctcctttgc cttccgctgc atctccatgg tgtaaaatca 120

ccattgaagg acctcattga agctcaaaga tccagcctcc atagaagccc cacaagcaag 180

cttccatcaa taggttttct aaaatggctc attttattcc atgtaaaaaa gttgatgatg 240

cttcccatgt ggctgatttg tttttcaagg agattgtgag actccatggt ttgccaagga 300

gcattgttag tgatagggac tctaagttcc taagccattt ttggaggact ttgtggagca 360

agttgggcac taaattgtta ttttcaacca cttgtcaccc acaaaccgat gggcaaat 418

<210> 6440
<211> 361
<212> DNA
<213> Glycine max

<400> 6440

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acagttacat catacttcaa tagacacaaa ccacaaaagc ttatcataaa gcttggagcc 120

atgtgcagga gccccaacgg cattaatgac cagccaccag gggttcctct ccgcgtagaa 180

cggcctgtaa ctcccctcgg agtcaaggtt ggcgcggaag gggtggtggg cccacttgga 240

gtgttcggag gggaccacgt cggtgtggga gtagaggagg atggattcta cggttgggtc 300

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t 361

<210> 6441
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6441

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ggaatatatt ttttttttg gtttaaaaca aaggtgccaa atttgactag tttgtatgat 120

attattaatt taagaattta atgtgatatt cacttataag ataagttatt taatcataaa 180

tcattattga tatgatttta aagattgtta ttataaaaga ataaatttat catatcgtga 240

tttatgattt gatgataatg taaaattatt ttacattatc attatataat ttttcttctc 300

taactttaca tcttaatgca caaaatggac agaatataat tattatcatt ttcaattttt 360

caaaacaatt tttttttat catttatatg tattagatgt ataaattaag taac 414

<210> 6442
<211> 396
<212> DNA
<213> Glycine max

<400> 6442

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tcttaagaag gggggttgaa ttaagatatt gcaaactatt ttcccaatta aaattctatt 120

tcaatttcaa tgcaagttac aaattccctt aaaaatgaac tcttaaataa tgattcaaat 180

cgaacaatct gaatataaat ataaagcaat aataaataaa agagtttaag ggaagagaaa 240

gtgcaaactc ggatttatat tggttcggcc acacccttgt gcctacgtcc agtccccaag 300

caacccgctt gagaattcca ctatcttgta aaatcctttt acaagttctg aacacacaag 360

gacagtcctt cctttgtgtt cagatttctt tacaac 396

<210> 6443
<211> 431
<212> DNA
<213> Glycine max

<400> 6443

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caagcgctaa cctttttttca ctcaactgta acaatgcttg atgatgataa tgcccaagcc 120

ttttgtgcca gatttctgtg tgattctcta tgagagagaa aacaacttgc tcctccttca 180

atggatttag agcaaaactt tttcctttca tttttacctt gaagatttct tgaccagcta 240

catctttaat taagcaatat ttgtcttcca atacaacttt aaatcctcgt tcaatcaatt 300

ggccgacact taataagttt tggtcaattt tcagaatgaa taggacatca gcaatacatc 360

ttgtgcctgc agaacttgtg attgcaactg tccccttttcc tttgactagg atataatcac 420

cattacaaat t 431

<210> 6444
<211> 408
<212> DNA
<213> Glycine max

<400> 6444

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tttggaaatc ctcttgagtt tcttcctgaa attttgcccc tccacaaact tcgacacctt 180

tctcttgcaa atattaggat cgtggcagat gaaaatttga gatcagtgaa tgtgcaaata 240

gaggtagcac tttgtaaact agctagacta ccttgctgac attattcttt cgaaacatat 300

cacatgcttt ttctggtcat tgcagatgga aaacagttct tatttcggtg catctaggca 360

taaactcagt gccgtcttct ctcttatatt ccgattttct tcttgtca 408

<210> 6445
<211> 393
<212> DNA
<213> Glycine max

<400> 6445

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ccactcggac ttgcacaata gcagattttg aatatgatag aaagaacgat ccacaaatta 120

acatttaagt tttatagtta ttccagacca actggggaag tttatatacc cataactaga 180

tcagcctgct tgtcttgcat atatgacctt gccgagtata tctccgacct tgggccgatg 240

tacttataca tgaaaaatgg gtaggaagaa cctacagata tggagagcaa catcacctga 300

taaaggtatg tgattgactc atcggaagat cttctcccat ggtaacaagg atgtgccatt 360

caacacgata ctgacccaca tttatttctg taa 393

<210> 6446
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6446

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aattaagatt aaaggttatt taattattac ataactacta aaaaaattac accattttgt 180

attttaattt taatccttta tgattatata tgtatgcgag taaataattc atatactgat 240

ggagcataag atttttattc tattattaaa tcataaatta ttatgtataa taattttgtt 300

aatttttata ataattattt taaaaatcaa aattttcata attnttcatt aattaacaat 360

attattctat actaatgtgt gtaaaaatta atatctattt ctatatat 408

<210> 6447

<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6447

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cagatggcac catatcccaa tggtcaaata ctaactgggg gaaagccttt ctcccagttt 120

tagcccttag tgattcattg aatttagatg actcaataac aggaaaatat gccttgacat 180

tgtaaagtgg ggtgccaggc ctctggcttt cctcaaacac atgccctctt ttctggttaa 240

gaacactgta tacaccacca agagcctgtt caggtgcctg tatttccacc agatacacag 300

gttcaagaag tcttggtttt gctgtcagca tggctgcata gcacgctctt ctagcagttg 360

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g 421

<210> 6448
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6448

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atttagagtg gtgtatttca atgttcagta tattggttct gttcatatat tttacattgt 120

aatatttaaa tagttatatg tttgttattg ttaaattaga cataagtggc tgtacatttt 180

tgtgtacata tcatatcacg acttttgtta ttgatgtacc aaatgagttg ttactttatt 240

gtgattttat aattatgtga taatttttca ccagtggtaa tgttccattc tttataacat 300

gatggagaaa aaattgatat tttatgtgat aaatgagagg gtggctgaca tgggtgagtt 360

agttattggc actgctgagt tcagaatggg aacaaaaggc ataatangtc ttgct 415

<210> 6449
<211> 414
<212> DNA
<213> Glycine max

<400> 6449

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tctcacctac ctatctcttc aacacaataa cctcttgggc tctattccta actcatgggg 120

tggtagcttg aaaaataact tctttcggtt ttgaaaaatg atcatagatc ataacttgtc 180

gagtggaagc attcctgctt ctttgggtgg cttgagtgaa ctcagagaga tttatcttag 240

tcataaccaa tttagtggag ttatcccaaa tgaaatagga aacctttcta gacttaaaac 300

tctagatttt tctaacaaca ccttgaatgg aagcttgcat gccgctctct ctaattttat 360

tcaataaata cagatagcaa gtacaaaaca aacccatgct atactaccat atgt 414

<210> 6450
<211> 424
<212> DNA
<213> Glycine max

<400> 6450

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atcaccatta aaggacctca ttgaagctca aagatccagc ctccatagaa gccccacaag 180

caagcttcca tcaagtgtgt ttcatatttc aataacaatt gtggattata tggcacaaca 240

aatcgattat caagttcaat accattttta gcactgtacg cccatcattt cttctcctat 300

aaattggaaa tccatcttgg tcaacaattg ttgatccatg gaatttttta gggaaatatc 360

taatacactt cccattgacc atacacagtg atcttttatt tgcaaaccca catggtccat 420

gaat 424

<210> 6451
<211> 419
<212> DNA
<213> Glycine max

<400> 6451

agcttctaaa cttaatacaa gaatgttgct ctgataccac ttgttggaca agtggcctca 60

gatatcttaa gaagggggg ttgaattaag atattacaac ttatttcccc aattaaaaat 120

tctatttaac cttctattca agttataaat tcccttaata atgaatttct taaatattga 180

ttcaaaaaga acaatttgaa tatgaatata aaacaataat aaataaagga atttaaggga 240

agagaaaatg caaactcaga tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300

ccccaagcaa cccgcttgag agttccacta tcttgtaaat tccttttaca agttctaaac 360

acacaaggac aacccttcct ttgtgtttag aattctttca caacaagaga ccctcggtc 419

<210> 6452
<211> 412
<212> DNA
<213> Glycine max

<400> 6452

agcttatttt ataaaataaa attaattatt gtggattaca tagattatgg tgcacaaaat 60

aaatgagaag tgaatatatt ttacaatatt taagctttct gtaattaaac gtggccttaa 120

ttttcaccat acattttggc tgtttttta catgaaagaa aaatttgaat caaagttgta 180

tgaagaaggg ttatggcctc ttagaacttt tactttatca tagattcata gtaataatgc 240

atttggttta ttaggctaac tcaaatctct aacaaatggc catgcattga aactgtaggc 300

tgatgttgat aacagtggga caattgatta cggcgagttc cttgctgcaa cattgcaccg 360

caacaaaatt gaaagagaag ataatctatt tgcagccttt tcttactttg at 412

<210> 6453
<211> 442
<212> DNA
<213> Glycine max

<400> 6453

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gagttaactc gctaactctt acgagtttac aaattcaatt gtcctctgcg agtcgactct 120

tgagtaaact ctttttttag tagactctag gcaaactcta taaactctga gtaaactcgt 180

taaactctcg agtttaccac caagtcaatg agttagcaag ttaaaaaaat tagaccaaaa 240

tgtaagtcat tttttattgt tttctttctg tatagtattc agcatacctt catttagtgt 300

aatattctca aatacaaaat tctcaccttt aataatatta aacctttatt ctctaataac 360

aacaaactct cgatgagaat gatctaccac tactataatc tctgcagtta ttatctagta 420

gtgatatatt attactagac tt 442

<210> 6454

<211> 440
<212> DNA
<213> Glycine max

<400> 6454

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gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg atctatctct 120

ttttgatgca gatggaggag ccttggattt gaggacaaat ccttttcaag aaggagggag 180

tgatgaggac ataaccaagg accatgaagc acttgaaggt cccatgacca gaggcagact 240

taaacaagcc caacacgtca tagagacaag gctggtcatt tgtatagctg ccattgatga 300

tgattgaagg cccaagtgca taaagatgaa ggcccagagg cagaggcact accaagacta 360

ctaattgttg ctgaaggccc aaactaactt gaaggaccaa gttaaataga gtcttagtta 420

taatttatct ttattgtaat 440

<210> 6455
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6455

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aacaagcaat attcacgtaa gcaaccacag cctgccaccc tgcgccaaca gcaacacctg 120

agagaacggg ttgcacgttg ttgatgacaa tgcaaagggc caacatgggc gtgagctcta 180

ccacaatctt tctcacttct gaatcatttg aaaacaagaa agggtactgg ttccggaaga 240

ttatcagcac catcgagagc atgacaccga tcagagttga agtaatcaca gcaacaagaa 300

gtgaaaactt tgctgttctt gggtgacatg ctcctagttc atttgacacc ctcacactgc 360

aaatgtaatt nttggtcact gactgattta ngtaaatcat tcacagttta atggttatgc 420

acaataacgt acaacagtct atactattgt taactaataa taaatcattg ataatataa 479

<210> 6456
<211> 419
<212> DNA
<213> Glycine max

<400> 6456

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gccacaccat tctgatccgg agaaccaggc atagtgtatt gggcaacaat cccatgttct 120

tgaagaaatt tcgcaaatga acctggtgct tgtccatcct ctgtgtatct accatagtac 180

tccccacctc tatctgatct cacgatctta atttgtgttc cacattgttt ctcaacttca 240

gccttaaaaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtatagatac 300

atatatcatg aataatcatc tataaaggtt atgaagtatt tcggactatt agcatccatg 360

tctggacaac atatgttggt atgtatgagt tctaataaaa tagaacttct ctttgcacc 419

<210> 6457
<211> 419
<212> DNA
<213> Glycine max

<400> 6457

agcttgctcg tcttgctgat atttatcatg catacttttc tgatgatgac cgaggaacaa 60

ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct ttttccactt 120

gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180

cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca gcatccgttg 240

aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300

tgtggttcaa tgacttgatg gtatgttaca ccgagcggga gatattcaag tcacttgatg 360

atatcgatat tattcgaaca ttaaccgcaa agaagtctct gaacggacac ttgtcttgt 419

<210> 6458
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6458

ctntattttc agtagatgaa gatgaatccg tggccacctc atggactcct ctaaggacaa 60

tagcatcatt tcttgcactg aattgttggg agttagaagc catcttctga atcaaattcc 120

tagcctcagt aggggtcata tcaccaagag ctccaccact ggcagcatta atcatactcc 180

tctccaggtt gctaagtccc tcatagaaat attgaaaaag gagttgctca aaaatctggt 240

ggtgagggta gctcgcacac aatttcttga atctttccta gtactcatac aagttttctc 300

cactaagttg cctaatgcct gaaatgtctt ttctgatggc agtggtccta gatgcaggga 360

agaatttctc caagaacacc ctcttaaggt catcccagct gaaaatagac ctgcgagcaa 420

ggtagtatag ccaatctttt gccactccct 450

<210> 6459
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6459

agcttcttca catagtccgc ctttgcttga tcttctttat gcttaaaaac agaaacatta 60

tgcttatgca aaagatcaag aggagttagt gggttaaaac ataaacaac ttcaaaagga 120

gaacaattag tggtgctatg aacagctcta ttgtaagcaa actcaacatg gggtaaacaa 180

gcttccctaa gttttaagtt cttcctcaaa actgtcctaa gcaaagttcc caatgtccta 240

ttaacaacta ttttttgccc atcggtttat gggtgacaag tggttgaaaa taaaaattta 300

gtgttcaact tgccccacaa agtcctccaa aaatggctta tgaacttata gtccctatca 360

ctagcaatgc tccttggcan accatggagt ctcataatct tctttgaaaa caaatcattc 420

acatgggaag catca 435

<210> 6460
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6460

agcttaagct ccttcaactg cacaatgctc ttaatatttg aagagtatcc ttgtggaacc 60

ttcacccgac gaagacactg acaaaaactt atcttctcat tcttggacaa agtatggcag 120

gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga ttgtataccc 180

atatcatcta gatcttgacg ggtattcaag ccatccgtcg tcttgccttg aatgttaagg 240

agcgtcccaa tcacactcac aaacattttt ctccacatgc ataacatcaa tacaatgtct 300

aacgtcaaga tcacaccagt acggaagatc aaagaanatg gacctcttct tccatatgca 360

actctgactt ttaatccttt tttgggtctt cccaaataca gtattcaggt gttgaacccg 420

ctgatatacc tac 433

<210> 6461
<211> 427
<212> DNA
<213> Glycine max

<400> 6461

agcttccgtt attcaatttc tagcgtctcg atatattatt tcaccgaatc agacatccga 60

gtgaaatgtt atgaccattc gaatttgtcg agagcttctt ttgtttaatt tcgagcgtct 120

agatgagtta tgtcaccgaa tcggacatct gtgtgaagag ttatgaccat tcgaatttct 180

cgacatcttc cgttgttcaa tttcaagcgt ctcgatatat tatgtccccg aatctgtctt 240

ctttgtgaaa agtttggacc attcgaattt ctggacaact tccgttgttc aatttcgagc 300

gtctcgatat attatgtccc cgaatcggac atttgtgtga aaagttatga ccattgaaat 360

ttgttgagag cttccgttgt tcaatttcaa gcgtctcgat atattatgtc ccctaatcag 420

acatccg 427

<210> 6462
<211> 397
<212> DNA
<213> Glycine max

<400> 6462

agcttcaatg gcttattgag gatggagagg tgcaagttat gaagcaagta gagttggata 60

tttccattgg aaagtacaat gataaggtgc tttgtgatgt tgatcctatg gagcccaccc 120

acttactctt ggggagacca tggcaatttg ataagagagc taatcatgat ggtttcacca 180

acaagatctc tttcacatat caaggcaaaa agatagtgct cataccattg agtccacaag 240

aagtgtgtga ggatcaaaga aaaatgatag agaaaattct tcaagataag agagaaatag 300

atttagagag cccaacactt gagagttcac aaagtaagga caaaaagagg gaaacacaag 360

agaggaaaaa gatgagtgaa acacttgaag tgaggga 397

<210> 6463
<211> 344
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6463

actcagcttg aattgaacac ggatgctctc gaganaatca agtggtctta ccttgccaca 60

cagatgtacg agtcggggaa ataatatatc gagacgcacg aaattgaaca acggatgctc 120

tcgagatatt tgaatggtca taacatttca ctctgatgtt cgatccgggg acataactta 180

tcgagacgct cgaaattgaa caaccgaagc tcatcacaaa ttagaatggt cgaaactttc 240

cacgcgaatg ttcgattcgg ggacataact catctagacg ctcgaaattg aacaacggaa 300

gctctttata aattagaatg gtcataagtt ctcacaccga tgtt 344

<210> 6464
<211> 383
<212> DNA
<213> Glycine max

<400> 6464

agcttgccgc cacggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60

agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgttccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggttt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaagagt ttgttgaaat ggatgatttg cttcacaaag 360

caatccatgt ggagcaacaa tta 383

<210> 6465
<211> 430
<212> DNA
<213> Glycine max

<400> 6465

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gaatctccgg taatatcctg ctaaacctac aaaactctta atctcaaaaa cagacttagg 120

actctcccac ttaagaacag cttctatctt agagggatcc acagctatac ccccttgaga 180

tatcacatgc cctaggaaac taactttctc taaccagaac tcacacttgg acaacttagc 240

atagagttgt cggtccttaa gggtatgcaa cacaatcctc aaatgttctt catgctcctc 300

tctagtcttg gagtatacca aaatatcatc tataaatact accacacaat tatcaaggta 360

agggtaaaaa actctattca tgtagtccat aaacactcct ggagcattag tcacaccaaa 420

aggcatgact 430

<210> 6466
<211> 452
<212> DNA
<213> Glycine max

<400> 6466

tctatagaag gttcgttcct aatttctcta caattgcatc acctctcaat gagttggcga 60

agaagaatgt ggcatttacc tgaggtgaaa aacaagagca aacctttgct ttgctcaaag 120

aaaagcttac taaggcacct gttctagctc ttcctaactt ttctaaaact tttgagctag 180

aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240

cttattttag tgaaaaactt catagtgtca cccttaacta ccccacctat gataaagagc 300

tttatgcctt aatacgagcc ctccaaactt gggaatatta ccttgtttcc aaggaatttg 360

tcattcatag tgatcatcaa tcacttaagt acattacagg gcaaagcaag ttaaacaaaa 420

ggcatgcaaa atgggttgag tacctacagc aa 452

<210> 6467
<211> 435
<212> DNA
<213> Glycine max

<400> 6467

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acctccaatc tttaatggag agggttacca ctaccggaaa acccaaatgc aaatttttat 120

tgaggcaata gacttaaata tttgggaagc catagaaata gggccttata tacccaccac 180

agtagaaaga attgcaatag atggaagcac atcaagtgaa agcataacaa tagaaaaacc 240

tagagataga tggtctgaag aggatagaag acgagtacaa tacaattgaa aagccaaaaa 300

cataataaca tctgccctgt gaatggatga atatttcagg gtttcaaatt gtaatagtgc 360

taaggaaatg tgggacactc tacaattaac acatgaagga actacagatg ttataagatc 420

taggataaac acatt 435

<210> 6468
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6468

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atcgagacgc tcgaaatgga ataccgaagc tctgagaaaa ttcaaatgac aataactttt 120

tactcggatg tctgattcag tcccgtaata tatcgagacg ctcgaaattg aataccgaag 180

ctctgaacaa attcaaacga caatcacttt tttactcgga tgtctgatga tgtcccgtaa 240

tatatcgaga cgatcgaaat ggtatactga atctctgagc aaattcaaac gacaataaca 300

ttttactcgg atgtctgatt gagtcccgga atatgtcgag acgctcgaaa ttgaagaccg 360

aagctctgag caaattataa cgacaataac tttttactcg gatgtctgac tgactccggt 420

aatatatcg 429

<210> 6469
<211> 416
<212> DNA
<213> Glycine max

<400> 6469

agcttctcga catattacgg gactcaatca gacatccgag taaaaaagtg attgtcgttt 60

gaatttgctc atagcttcaa cattcaattt tgagcgtttt gatatattac gatactcaat 120

cggacatccg agtaaaaagt tattgtcgtt tgaatttgct cagagcttcg gcattcaagt 180

ccgagcctct cgatatacta cgggactcaa tcagacctcc gagtaaaggg ttattgtcgt 240

ttgaatttgc tcagagcttc gacattcaag tccgagcgtc tcgatatatt acgggactca 300

atcagacatc cgagtaaaaa gttattgtcg tttgaatttg ttcagagctt caacattcaa 360

tttcgagcgt ctcgatatat tacgggaccc aatcagacat tcgagttaaa agttat 416

<210> 6470
<211> 424
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6470

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agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtggag caacaattaa taaggaaggg agtggctaag aggagtttta ccaactttgg 420

ttct 424

<210> 6471
<211> 352
<212> DNA
<213> Glycine max

<400> 6471

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atttctcgag tgcttccgtt gtttaatatc aagcgtctcg atattttatg tcctctaatc 120

agacatcgga gcgaaatgtt atgaccattc gaatttgtcg agagcttccg ttgttcaatt 180

tcgagcgtct agatgagtta tgtcaccgaa tcagacatct gagtgaaatg ttatgaccat 240

tcgaatgtgt cgagagcttc cgttgttcaa tctcgagcgt ctagatgagt taggtcaccg 300

aatcggacat ccgtgtaaaa agttatgacc attctgctct gtcgagagct tc 352

<210> 6472
<211> 447
<212> DNA
<213> Glycine max

<400> 6472

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cctcgggaca atgacttcct tgactcacct cgacctctct ggtactggat tcatggggaa 120

gattccatct cagatttgga atctctccaa tttggtgtat cttcgcctga cgtatgccgc 180

caatggaaca attccatctc agatttggaa tctctccaat ttggtgtatc ttggccttgg 240

aggtgattct gttgtcaaac ctctgcttgc tgaaaatgta gaatggctat caagtatgtg 300

gaagctcgaa tatcttcatt tgaggtatgc agacctatcc aaagcatttc attggctaca 360

cactctccaa tctcttcctt ctttgaccca cctatctttg tcacaatgca cacttcctca 420

ctataatgaa ccatccttgc tcaactt 447

<210> 6473
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6473

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cttaaggtgt aggtttatat atctattgga caacttcact taatattaat tgattttaag 120

ttaaaatcta acatggtatg agagnttata gtccgtctta attttcttaa ttgaccagat 180

gggattggct tatcctgaga gattagttct tgcttttagt tttgttatcc ttctctttac 240

ttaccaaaaa acaaaagttc tcttgctatc ttttataaca agtattgaat aaaaagtaaa 300

tacatgtaat gtcttgaaaa tgtaaaacac attaattact tgtcataaaa agaataatag 360

aacgatatat gtaatgtaag agacttttat aagaggaaac acctttttg ttcttaaata 420

taa 423

<210> 6474
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6474

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gcagcctcag gttgaatacc tgngtcatgt tgtatcagca cagggtgtgg aaccagtcat 120

ggccaaggtc cangctatac agcaatggct ggaaccgcat tcggggcgcg cactcaggag 180

ttttttgggt cttgctggtt tttatagacg cttcattcgc ggctatgcaa ccatcgcagc 240

tcctttgacc aaattggtca cggcggaacc ttttcagtgg accgacaaag ctcgtgctgc 300

cttcactcac ctcaagcaag tgttgacctc cactcctgtc ttgcggttgc cggatatctc 360

tcttcccttc acggtggaga cggatgcttc tggaacaagc atgggagtcg tgttgaccca 420

acaggg 426

<210> 6475
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6475

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gtcataggtg ccatcgaacc caaggctttg aacgatcatc gcttcattct cgtggcaata 120

gattatttca ccaaatgggt tgaagcggct tcctacacca atgtcatgag gagtgtagtg 180

gtcagattca taaagaggga gctgatttgt cggtatggac tccctacgaa gatcattact 240

aacaatggca ccaatctgaa taacaagatg acgtaggaaa tgtgtgcgga tttcaaaatc 300

cagcatcaca attccacgcc ctaccgacca aagatgaacg gagccatgga agcagccaat 360

aagaatatta agaaaattat ttagaagatg acagtatcat acaaagatng gcatgagatg 420

<210> 6476
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6476

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agttattgtc atttgaattt tgtgagagct tctgtattca attntgagca tgaagaatta 120

ttaaatgact caatcggaca tccgagtaaa aagttattgt cgtttgaatt tgctgacagc 180

ttcagtattc aatttcgaga gtcttaaatt attaaatgac tcaatcggac atccgagtca 240

taagttattg ccgtttgaat ttgcttaaag cttttattat gaatttcgag cgtcttgata 300

tattattgga cttaatcaga catccgagta aaaagttat 339

<210> 6477
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6477

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ataattcttg acgctagaaa ttgaatacag aagctctcac caaatttaaa tgacaataac 120

tttttactca gaagtctgat tgtgtcccgt aatatatcta gatgctcaaa attgaaaaca 180

gaagctctga gcaaattcaa acgacaatag cttttgactc ggatatccga ttgagtcatt 240

taataattcg agacgctcaa anatgaatac agaagctcta agcaaattca aatgacnaat 300

aactttgact cgaatgtccg attgagtcat tttataattt gagacgctca aaattgaatg 360

caggagctct caccaaattt acatgacnaa taacttttac tcagaagtct aattgtgttc 420

tgtaaatatc ta 432

<210> 6478
<211> 352
<212> DNA
<213> Glycine max

<400> 6478

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atcgaggcgc tcgaaattga atgttgaagc tctgagcaaa ttcaaacgac gatatctttt 120

tacacggatg tctgatcgag tcccgtaata tatcgagacg ctcgatattg aattctgaac 180

ctctgagcta attcaaacga caataacttt ttactcggat gtttgattga gtcccgtaat 240

atatcgagac actcgaaatg gaatgttgaa gctctgagga tcttcaaacg ataataacct 300

tttattcgga tgtctgattg agtcccgcaa tatatcgaga ctctcgaaat tg 352

<210> 6479
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6479

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taaaaagtta ttatcgtttg aaaatcctca gagcttctgt attcaatttc gagcgtctcg 120

atatattacg ggactcaatc agacatccgt gtaaaaagtt attgtcgttt gaattagctc 180

tgacgttcag aattcaattt cgagcgtctc aatagattac gggactcaat cagacatccg 240

agcaaaaagt tattgtcgct tgaattagct cagagcttca caattcaatt tcgatcgtct 300

caatatatta catgactcaa tcacacattc gagtaaaaac gttat 345

<210> 6480
<211> 442
<212> DNA
<213> Glycine max

<400> 6480

tattaggacc tatgaaactc agcttgcata ctattgtttg ataaaacaaa aagaggatgg 60

taagccttgg tatttcgata tcaaacgata catcaaggac aaggaatacc cgcctgaggc 120

ctctaacaat gacaagagga cattacagag gttggcagcc agtttcctcc tgagtaggga 180

tgtcctatat aaaagaaacc atgatatggt attgcttcgg tgtgtgaatg caaatgaggc 240

tgggcagata ctaacagagg tgcatgaagg gtcatttggc acccatgcca atggacatgc 300

catggcccaa aagattatga gagttggata ttactagatc accatagaga atgattgttg 360

tgttcacgta aggaaatgcc acaagtgcca aacctttgtg gataatgtta atgctccacc 420

cgtaccggtg aatgtgttgt ca 442

<210> 6481
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6481

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gtgtacaaaa gctctcaagt attgctcgat gatgcgattc atggcttccg tcgggccgtc 180

ggacagagga tggtacgctg agctcataca gagcttggtg ccgctcaatt taaataattc 240

ttgccaaaag tgactgataa acagtgggtc cctgtttgag accagacttc agggcatgct 300

gtggagcttg ctagaaatct ccatgaataa ccttgccata cttgaagctg tatgatgttg 360

tggtagtgta cctangtgga ctccctttga aaagcgatcc acaatgacta anataactg 419

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<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6482

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ttgcgatgtt tggttacttt aatacttatt gtacttggta gtcaatctca atgttctttc 180

tttcttggta atgcatcact attctattgc ttacagaatc tcntaatttt tggcagcaac 240

aatgtcaaaa attattaaag agatgttacc cccagatgta cgtgttgcaa gagatgccca 300

agatctattg attgagtgtt gtgtaggtca gaattatgtt tccattatat ttgatatgtt 360

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<210> 6483
<211> 414
<212> DNA
<213> Glycine max

<400> 6483

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tattgtgagt agcatttaga aagacgcctc tgttcctgat gctgagaaag atgttccaac 180

atcctccacc ccagatgttg ttgtccctga agctgatgaa gatgtcccaa catcttccac 240

cccgaatgtt tctgtgcctg atgttgagaa agatgttcca acatcttccg gcccaaatgc 300

tgaagtactc tcttccccca gcaaagagag atcaacagag gaagatgatc aagccacaga 360

ggagactcct gcaccacggg caccagaacc tgctccaggt gacctcattg atct 414

<210> 6484
<211> 417
<212> DNA
<213> Glycine max

<400> 6484

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aaaagcttac taaggcacct gttctagctc ttcctgactt ttctaaaact ttcgagctag 180

aatgtgatgc ctctatagtg agaattggag ctgtattgtt acatggttgg caccctattg 240

cttattttag tgaataactt catggtgcca ccctcaacta cactacctat gataaagagt 300

tttatgcctt aataagagcc ctccaaactt gggaaaatta acttgtctcc aacgaatatg 360

tcattcatag tgatcatgaa tcaacttaag tacattagag ggcaaaacaa gttaaac 417

<210> 6485
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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aaggtcataa gtcatttata tatatccaaa tcagcttcat tgaagctcta cccaaacccc 120

ccctagataa ttaatctaat ttgtacagag gaatgaagta cctttgccct gtgttgtaaa 180

agcaaacttg tttcaacact ctcacacatt ccagaggtgc tacttgtttc cttctgccgt 240

gagctaacct ataaatagag atactacaaa aaccataaaa tacaatgcaa acacttacat 300

tgttatacca atgttgcata aacttaacca taaatgatat ggacaaacaa aatatagagt 360

tctttgatgg agtaaaaaca agtgacagat ttcaagcata cggagttcta tgatctgaag 420

aanacacata ttccaattga taatatgatt attatcaggt tggctcatga cta 473

<210> 6486
<211> 436
<212> DNA
<213> Glycine max

<400> 6486

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cgaataatcg gtgaatattt caaagtctga aacatctaag ataaagtttt cgaaggctaa 180

ctatgaagag tatctccacc caaaagctgc caataaatct ctaacatcat ctactataag 240

tggtcataac tccactgcct gcatttccca atctggtaat aatcaaagtc catggataat 300

tgattcaggt gcttctgatc atattgctgg taatagttct ttattttcat tcctctctcc 360

ttctaaaatt cctcatttca ttattttaac cgatggttct agagtgcagc aacaagaatc 420

gccatgtatc actcac 436

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<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6487

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atcccaacgt tatggatgtg ggaaaatgtg ttccacactt ggtgatcaaa tttctcgacg 180

atccaacgat taatgatttt aagatcataa ttttattgga acaggtttag gtgtatgagg 240

ttaaaagaaa gctccgtgcg agggacattt ctctccccac agacattatt tcataaatcc 300

caatggtaga gatgtacgaa ataagtttca aacctagtgt tcaaatttca cgataattca 360

acgattaacg agtccaagat c 381

<210> 6488
<211> 417
<212> DNA
<213> Glycine max

<400> 6488

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gcagcaaccc cgctggagac aacacctggt acttgttatg ttgataaacg tcacattggc 120

ggatgtactc cattataata gctttcattc tcttccaaaa gaagctggaa gacaaccgct 180

tatacgtctt cgtgaatccc gaatggccac ctgtaaccgt gtcgtgaaat tcggccatca 240

aagtaggtta ggcaacatca aacagctctt gaagaatagg aaaccatcgt gcagagtata 300

gtgtggcaga gaatcataat cagattgcaa ttgggagctc aacttgacca actcaaggtc 360

attttgcact tcgttcttga tagcagggaa atccacccaa taaggactaa tggagat 417

<210> 6489
<211> 432
<212> DNA
<213> Glycine max

<400> 6489

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ttctcaacag tcacatcttt ttgtgtggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acacgaattt gacaagagtt tttcagaaca aaaaggtctt atgctcttag 180

aaagaaaaat aattttatcc tcttacaaat tccttggcca aaactcttgt gattcaataa 240

ggaattattt gagtgctcaa attgttcaat ctatcttttt atagagagat ttcttcttct 300

cttcttcttc attctgaaaa gggattaaga gaccgagggt ctcttgttat gaaaggattc 360

taaacacaaa ggaaggattg tccttgtgtg tttagaactt gtaaaacgaa tttacaagat 420

agtggaacac tc 432

<210> 6490
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6490

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ttatctaatt atagtctgaa aacccatcca tgaaagaaaa acagggcaaa attggtcgtg 180

ttatctacga gcacatcgat gtgtggtaaa ggaaagttat cctttggact gactcagtct 240

aaatcctgat agtccacaca cattcgtacc ttcccatccg ttttatggac tggcacgata 300

ttggtgaccc attccgagta ctgagcaacg gccaagaagc caacattgaa ttgcttcttc 360

acctcttctt ttattttcag cgacatctcg agcttcattc tcctcatgct ttgctttacc 420

ggggagcact cgggattcag aggtagtttg tgcta 455

<210> 6491

<211> 367
<212> DNA
<213> Glycine max

<400> 6491

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tattacggga ctgaatcaga catccgagta agaagttatt gtcgtctgaa ttatctcaga 180

gcttcggtat tcccactcga gcgtctcgat atattacggg actcaatcag acatccgagt 240

caaaagttat tggcagttga atttgctcaa agcctcgaca tgcaatagcg agcgtgttga 300

attactacgg gactcaatca gacatccgac gcaaaggtta tctgtcgttc tgatttgctc 360

agagctt 367

<210> 6492
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6492

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atatatccag acgctcgaaa ttgaataccg aagctctgag aaaactcaaa cgacaataac 120

tttttactcg gatgtctaat tgagtcccgt aatatgtcga gacgctcgaa attgaatacc 180

gaagctctga gcaaattcaa acgacaataa cttcttactc ggatgtctga ctgagtcccg 240

taatatattg agacgctcga gattgattat cgaagctcta agcaagttaa aacgataata 300

actatttact ctgatgtctg attgaatccc gtaatatatc gagacgctcg aaatgcaata 360

ccgaagctct a 371

<210> 6493
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6493

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gttttgatga ttaccctgtt tccaagcttc aaaaccttgt gatggttgct gggcattcca 180

tttacactat tagtagttgc ggcaaaattg ataaagagga ttcttggttt ttggagtctt 240

atcagaagaa tccaggccaa gctgccactt ttgtgacaca cattcatgag gggattgaga 300

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ctggc 365

<210> 6494
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6494

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ctgttttcct taattagttc gctttcttga ctttatttta atcactaagc atcataaatt 180

cattactttt aatattctct acacaaaact taaatgatat taaagtgata attattttct 240

ccaaaaggaa aaattatgag aaaatttttt caaaattcta tttaattaac ccccacattt 300

attctttatt aacaggtatc atcacccctc tt 332

<210> 6495
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6495

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ttatatatga gaaatgatga ctataaatat agataattag ttgaacctaa caattttaag 120

gatgctataa aaaaaaggga gggatgtgtg tggagaaaag taaccaagaa gaattaaaaa 180

caattgaaag aatcaaattc ccaaaattat aattggttaa ataatcaatt aatgaataag 240

taaccaacat gtgattagac acaaatgatt aatatgttaa aattaaagtt aaattatttg 300

aataatattt aagtttgata tattctaaat aaaaaaaaat tattaggttt tttatttgta 360

<210> 6496
<211> 366
<212> DNA
<213> Glycine max

<400> 6496

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tagagtgcta atcttatgaa ctttgattct tctttctaac cgaatgaagt gatatctaac 120

atctatatgc ttggttctat catgatgaac ttgatccttg gccaagcata tagcactaag 180

gctgtcacag tagatgttag catattcttg attaattccg agatcattta tcagacctct 240

aagccaaatt ccttcctttg cagctttagt aagagccata tatttagcct cagtagttga 300

gagagcaacc gaaggttgaa gtgttacctt ccaactcacc aagcagccac caagggtgta 360

agcata 366

<210> 6497
<211> 363
<212> DNA
<213> Glycine max

<400> 6497

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tttgatctta cttgtttcct tttctcattt tgcagcttac aatcacagct atcataacaa 180

tgacagtctt catacgtact cagcggactg tggacttgat aggtgcaaac tatttattgg 240

gttcattgta ctatactctt gtccgcctca tgactaatgg agttgcagag ttgatcatga 300

ctattactag actccctgtt gttgataagc agaaggaatt ctatctctat ccagcttggg 360

ctt 363

<210> 6498
<211> 368
<212> DNA
<213> Glycine max

<400> 6498

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tgggcgtatt cttttgaaag attcgtgccc ccttttttgca catgttctgt agttgcatcc 180

tatccgaaga cattatactg acactgccta acgaaggcaa ccactaggtc cttccaagaa 240

tggactcggg aaggttccaa gttagtgtac caggtaacag ctacccgagt aagactttct 300

tggaaggaat gtatcagcaa ttcctcatct tttgcgtatg cccccatctt tcgataatac 360

atctttag 368

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<211> 267
<212> DNA
<213> Glycine max

<400> 6499

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aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aaatatgacc 240

ttttcagcaa caaatacaac cctggat 267

<210> 6500
<211> 371
<212> DNA
<213> Glycine max

<400> 6500

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ctcaactcca aactcgaaag tgaaggacac atgaacaacc ctaagcaaga acattcaagg 180

ggctccggaa aaggaccgag aatggaggat tgccttgagg gtcctctctt aggcaatcat 240

ggaacacaac tccaaactca aaagtggagg acacatgaac agccctaaac aataacattc 300

atgtggcttc ggaaaaggat gagaatggac gattgccttg agggtcctct cttatgcaat 360

catggaacac a 371

<210> 6501

<211> 366
<212> DNA
<213> Glycine max

<400> 6501

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ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatcgt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240

tcccaatcac actatcacaa acatttttct ccacacgcat aacatcaata caatgtctaa 300

cgtcaagatc acaccagtac ggaagatcaa agaaaatgga ccagttcttc catatgcaac 360

tctgac 366

<210> 6502
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<212> DNA
<213> Glycine max

<400> 6502

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tctccatgtt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctggt 240

ggtgagggca actggcgcat agtttttaa atctctctca atattcatat aggctctctc 300

cactgagttg cctaatgcct gaaatatcct ttctgatggt catggtcctg gaggcaggga 360

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<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6503

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attgaatggt ttccggccaa atgtcacctc gtagggagtt gtacccgttc ccgcgttcca 300

cgaggtgttg tgtgaccatt ctatccatgg aaggaacttg ccccacctat tgggtcaccg 360

gtgaacaaa 369

<210> 6504
<211> 355
<212> DNA
<213> Glycine max

<400> 6504

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gcttcaacat tcaatttcga gcgtctcgat attttacggg actcaatcag acatccgagt 240

taaaagttat tgttgtttga atttgctgag agcttcaaca ttcaatttcg agcgtctcga 300

tattttacgg gactcaatca gacatccgag taaaaagcta ttgtcgtttg aatta 355

<210> 6505
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<212> DNA
<213> Glycine max

<400> 6505

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tgagatgttt ggttttctgc cattgaacaa ttcatatgga gttttcttta aaatgggtct 180

tattaaagcc ctatttaaaa tgtagcatgc agtgttaacg gcttcagccc aaaagtattt 240

tggaagaaga gtatcattta ataaagttct agcaatctct tccaaagatc tacttttttct 300

ttcaacaaca ccattttgtt gaggggttct tggttgcaaa aaaatatgct caatcccatg 360

cttatcacaa a 371

<210> 6506
<211> 361
<212> DNA
<213> Glycine max

<400> 6506

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acacggatgt cccattgagt cccataatat atcgagacgc tcataattga aaacagaagc 180

gctgaccaaa ttcaaacgac aataactttt gactcagata tccgattgtg tcccgtaata 240

tatcgagacg ctcgaaattc agaacagagc tattagaaaa atcaaacgac gataactttt 300

tacacggatg tccgattgag tcccataata tgtcgagacg tttgaaattg agaactgaag 360

c 361

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<211> 345
<212> DNA
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<400> 6507

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ctatatgtga tgagctcgaa tcggacatcc gagctaaaag ttatgaccat ttgaatttct 180

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ccgtgggaaa agctatgacc atttgaattt ctcgagagct ttcgatgttc aatttattat 300

gcatcggaat cggacattcg tgtgaaaagt tatgaccatt tgaat 345

<210> 6508
<211> 367
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<213> Glycine max

<400> 6508

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aaagtcccta ctacaaagac tactcaaaat gcctcgaaat acaagactaa aaccctatac 180

tactagaatg gccaaaatac aaggaccaaa cgaaggaaaa acctattcta atattttcaa 240

agataagcgg gctcatactt agcccatggg ctcgaaatct accttaaagc tcatgagaac 300

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<210> 6509
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<212> DNA
<213> Glycine max

<400> 6509

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gccctatatg aagaaagatg tccataagca ttgcactaag tgtgtggctt gtttacaagc 180

caagtctagg gtgatgcctc atgggctata cacaccttta cccatcccat ttgcaccttg 240

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<210> 6510
<211> 290
<212> DNA
<213> Glycine max

<400> 6510

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ggaacattac cttgttttca aggaatttgt cattcatagg gatcatcaat 290

<210> 6511
<211> 300
<212> DNA
<213> Glycine max

<400> 6511

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gagatctcct cccatctcca ttttgagttg atacaactcc atctttaaac aaaggtgatt 180

ggttagcgac tttgacgcat agatattatc gagcttctcc tacaaggcct tcggtgttgt 240

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<210> 6512
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<212> DNA
<213> Glycine max

<400> 6512

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acacgtcttt ggggcatgcc ttgatcagat aagtgtagtc agtccacact cgacattggc 120

cgttggtttt ttttaccatc acaacattga tgagcctggt ggaaaacctg acctatttga 180

tgaagttgct tatcgacttc ttctttgaag gctttatgtc gctcttctcc catcttcctt 240

ttcttctgtg atataggatt ggcctggggg cagatatcca atttgtggca aattatgtcg 300

agatggatcc cca 313

<210> 6513
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6513

agcttgccaa ttgggaagac tgttcgttat ctcttgngat gggattgaac cccaatgaat 60

gccccattga gcaaagcacc accacatgca ggggtaacaa gaaccttgtc atggacatgg 120

ctcagcactt tgttccccaa caccatcaag ttcccatctg caacagatat tcctgccct 180

acagccatct ttgatgattt gatgaatcaa acacaagctc aaaaggaaat tgcagcacac 240

agagcaccac aacccctcta ttgttgtttg ttccaaatca aatacaaatg agttaatgca 300

acaagggaag gaaaaggaaa gg 322

<210> 6514

<211> 290
<212> DNA
<213> Glycine max

<400> 6514

agcttaataa ttcaatctat ggattgttac attcctccca ccagtggtat ttaaaatttc 60

atgaggtcat ttcttcattc agctttgaag agaatgtcat ggatcactgt atataccaga 120

aggtcaatgg gaataagagt tggttccttg tattatacgt agatgatatt ctgcttgtga 180

ctaatgataa gggtatgcta tatgaggtga aacaatttat ctcaaaaaac atttatatga 240

acgatatggg aaaagcatct tatgttatag gcattaagat ccctaaaaaa 290

<210> 6515
<211> 341
<212> DNA
<213> Glycine max

<400> 6515

agcttagaag aaattcaaat ggttatatct tttcactcgg atgtatgatt caggtgtatc 60

acatatcgag acgctcgaaa tcgaacaaca agagctctcg agaaattcat attgtcagaa 120

cctttcacac ggaggtccaa ttcagccgca tcacatatcg agacgctcga aatttaacaa 180

cggaagctct gaaaaaattc aaatgctaat aacttttcac tcggatgtcc gattcaggcg 240

ctttacatat cgagacgctc gaaattgaac aacagaagct ctctagaaat tcaaatggtc 300

ataaatttttc acatggaggt gcaattcagg cgcattatat a 341

<210> 6516
<211> 377
<212> DNA
<213> Glycine max

<400> 6516

ctatagaaac tcagcttata atatattatt acgctcaaaa taatttttga ttctctcgag 60

aaattcaaat ggtcataact tttcacccgg atgtccgatt atggcgaatc acatatcgag 120

acgctcaaaa ttgaacaacg gaagctcttg agaaattcta atggtcaaaa cttttaactc 180

ggatgttcga ttcaggcgca tcacatatag cggcgctcga aaaggaacaa cggaagctct 240

cgagaaattc aaatggtcat aacttttcac actgaggtcc gatcctggat tataatatat 300

caagacgctc gaaattaaac atcggaagct ctcgagaaat tcaattggtc atcacttttc 360

acacggatgt ccgattc 377

<210> 6517
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6517

agcttcaaca tcagaccact tctgtgtgct ggaactactt cacatggact tgatggggcc 60

tatgcaagtt gaaagccttg gaggaaaaag gtatgcctat gttgttgtgg atgatttctc 120

cagatttacc tgngtcaact ttatcagaga gaaatcagac acctttgaag tattcaaaga 180

gttgagtcta agacttcaaa aagaaaaaga ctgtgtcatc aagagaatca ggagtgacca 240

tggcagagag tttgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300

tgagttt 307

<210> 6518
<211> 363
<212> DNA
<213> Glycine max

<400> 6518

tgctcgtctt gctgatattt atcatgcatt ctttttttg atgaccgacg aacaattagg 60

gatcaacttg aaacttatgt gcttcaagtg agaagaaatg cttcttttc cacttgtgaa 120

gatgttcaaa gtttggctat gaagatggtt caaactgaga aacatttggt atttccatag 180

gtttataaac ttattgagct agctttgata ttgccggtgt cgacagcatc cgttgaaaga 240

gctttttcag caatgaagat tatcaagtct aaattgcgca ataagatcaa catgtgtggt 300

tcaatgactt gatggtatgt tacaccgagc gggagatatt caagtcactt gatgatattg 360

ata 363

<210> 6519
<211> 371
<212> DNA
<213> Glycine max

<400> 6519

tgaagtgagg aagtgtggaa gggtgagact tctattttta ttcgttgacc acagagtagt 60

acctagaata cagaagaagc aacaacaatc aatttaacaa tattctttaa acatgcaaga 120

cacaattgat tgcaacaaaa taaataagat aagggaagag agaatgcaaa cacagtttta 180

tactggttcg gccacaaccc gtgcctacgt ccagtactca agcaacccac ttgagatttc 240

cattatcttt gtaaaatcct ttacaaagtc tgaaccacac agggacaacc catcccttgt 300

gttcagatgc tttacaacaa gagactcaca gtctcttaac caatctcatt gaataagaag 360

aatggaagaa g 371

<210> 6520
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6520

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tggatggcct tgatttttc agggtccaca tggaccccat ttctaccaac tacaaaccct 120

aagaaaacta tattactaac acanaaggca cacttctcta tatttgcgta gagggtattt 180

ttcctaagga ctgaaagaac ttgcctgaga tgtcctacgt gatcatctag gctcctactg 240

tacactaaaa tatcatcaaa ataaacaact acaaagctac ctatgaaatc ccttaagaca 300

tgatgc 306

<210> 6521
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6521

tttggtatca attacgagcg tcttatatac ttcgggacat aatcggacat ccgggtaaaa 60

agttattgtt atttgaattt gctcataggt tctgttttca attacgatcg cctcaatata 120

ttatgggatt cattcggaca tccgagtaaa aatttattgc catttgaatt tgctacgagc 180

ttccgatttc aattacgagc gtcttgatat acaacgaaaa acaatccgac atccgagtaa 240

aaagttattg tcgttagaat atgcttagag cttctgtttt caattacgag cgtctcgata 300

tattacggga ctcaatccga catccgagta aaaagttatt gtcatttgaa tntgctcata 360

<210> 6522
<211> 367
<212> DNA
<213> Glycine max

<400> 6522

tgattttcca tgcagtaatg actccaaagc tttatctctc ctcctcctct tatggcccaa 60

aagagatctt ctcccatcag tgttctgttc agtatcttcc cattaacatt tataatttga 120

gcatcaatta tattatcaga agctaagccg tattttctga aaattgtacc aaacccacct 180

ccactcaaat gccctccaac accaacagtg gagcaacttc cagctgggaa accatgaacc 240

tcacttttct tttcaattgc ataatagagt tctccaagtg ttgcacctga ctcaacccat 300

gcagtttctt cgtccatgtt aatggttatg gacctaaggt tgaaaagatc aatgattatg 360

aatggaa 367

<210> 6523
<211> 295
<212> DNA
<213> Glycine max

<400> 6523

agcttttgaa gacaaaattg gtgttcttta gttttttga ggactaaatt agggattgct 60

caattatttt tatttaaaag aaattgtgtt tcctatgttt tcattgcttt ctctttgata 120

ttatatattt ggatttttta tattcttcac gacaaaagta aattatatat attccttgag 180

cttatgtcaa aagggtcatt ggcaagtctc tatcaaaagt atcggttaaa cgattctcaa 240

gtttctgcat acacaaggca gattttatgt ggcttggagg atcttcatga tcata 295

<210> 6524
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6524

tagaattaat gtcattagcc attacagcng gctaattttt ttcctataga ngnnaaaaaa 60

acgtagaata gatttggatg aactgaccct agaaatggtt tcagcaggag gagtaccaag 120

aaggtcagtt atgagatcca attggtgcac tacatttttt ccaggaaaca atggcttccc 180

actgagcatt tctgcaaata tgcatccaat gctccaaata tcaattgcag gcgtatactg 240

caaaagacaa ggatttgaaa ttacacacta gtgcaatact taaatatatt caacttcata 300

aatcatacac aatcccggta gaggaggatt gaagaggtaa ccgatctagt gcgtaaaagg 360

ctttgcaaaa g 371

<210> 6525
<211> 362
<212> DNA
<213> Glycine max

<400> 6525

tgtctctctt tacttgaggt atgtaagatt attatttgca gccaaatgtc ttcagatttg 60

ttagctttgg tttgtagtcg tgccatgctt caaatggagt ctttttctac aaagcttttg 120

ttggtaacct attcagcaaa aaaactgttg tgtgtgcagc ctctgcccaa aattcctttg 180

gtagcccttt gtcatgaagt aagcaccttg tcatctccat aattgttcgg tttttcctct 240

cgacaatacc attctgttgc ggagtgtatg gtgctgtcaa ttgatgttca atgcctgcat 300

ctacacaaaa cttgttaaaa ttttcagagg tatattcagt tccattatcg gacctgatca 360

cc 362

<210> 6526
<211> 359
<212> DNA
<213> Glycine max

<400> 6526

tcaccgatct ctctatgttg atgatatagt gatttcaggg aatgatacta ctaagattgt 60

ccagctaaaa gagcacttat tcagccattt ccaaaccaaa gatctgggat atttgaagta 120

tttcctcggt attgaggtgg ctcaatcagg agatagtgtt gtgatctctc aaaggaagta 180

tgctcttgat attctaaaag aaacaggtat gcaaaattgt agacctgttg atagccctat 240

ggatccaaat ctgaagctca tggcagatta gagtgaagtt tatcatgacc tcgagagata 300

taggcgactt gtgggaaaac tcatttatct caccattata agacctgata tctcctttg 359

<210> 6527
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6527

cccgggatcc ttaagtcacc tgcaggctgc agctaacaaa ggttgttatt gggtggaatt 60

cctagagcaa ttcccttatg ttatcaaaca taaaaaggga aaaggtaata ttgtagacga 120

tgctttttct cggcgtcatg cattactttc tatgcttgaa acanaattga ttggtcttga 180

atgtttgaaa agcatgtatg aaaatgatga aacttttgga gaaattttta aaaattgtga 240

aaaattttca aaaaatgggt tctttataca tgaaggcttt cttttcaaaa aaaaaaaaat 300

gggtatgcct taatgttctc 320

<210> 6528
<211> 363
<212> DNA
<213> Glycine max

<400> 6528

taagacccca gctcatatcc tcacagtgtc ttttatgtgg aacaagtgca ccagtatcag 60

ttcctctctt agccttacaa tcatagaagg gaggagcatg gaagcatggc tccatcgaca 120

tggcacgttg acaaggagga tcaggagctg ttccattctc gggcttgtac agtatccacg 180

gtttcaaccc tccaagcccc tgcgccacgt agccgaaagt agaccacgag ctcgtgacca 240

acatatccat caagctcaag aggtaaattt ctgcccaagc tttttggttg tgcatcttct 300

tctctgtttg ttgataccct tcatggcttg gctggtaaat gccaacaact tctcctgtca 360

cag 363

<210> 6529
<211> 365
<212> DNA
<213> Glycine max

<400> 6529

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tcttaagaag gggggggggt tgaattaaga tattccaaac tacttcccca attaaaaatc 120

tatttgactt ttttttaatt gagttataaa ttcccttaac aatgaacttc ttaaatatta 180

attcaaataa aacaatttga atatgaatat aaagcaataa taaataaagg agtttaaggg 240

aagagaaagt gcaaactcag atttatactg gttgggccac acccttgtgc ctatgtctag 300

tccccaagca acccgcttga gagttccact atcttgtaaa ttccttttac aagttctaaa 360

cacac 365

<210> 6530
<211> 307
<212> DNA
<213> Glycine max

<400> 6530

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ttagacactt cctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat 120

cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180

catctcacat gacatcagct ttcttcttct gctccccctg tctccatgct cttactgcag 240

catcttctat caactactaa tctttttcag gatggcaaaa catctcatgt gacatcagct 300

tttcctt 307

<210> 6531
<211> 372
<212> DNA
<213> Glycine max

<400> 6531

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ttttagatca attttctttg aggatataaa tttagttgat ataaaaattc gatatacttt 120

ttataagagt tggatattaa gaaagtgaac tttctggatt acttgtgact acaacaaata 180

taaaaagttt attaaaaaga aacatgcatc accccaacta caattctcat ttctttcttg 240

atgtacaata caatccaata caaaaactaa aattatagaa ccaataattt tactataaca 300

tataatacat atgagaaaaa tgcaatataa tgcattacca ttaattaata actaaaaata 360

actacaatct at 372

<210> 6532
<211> 287
<212> DNA
<213> Glycine max

<400> 6532

agcttctata gaaggttctt tcttattttc tctacaattg catcaccttt caatgagctg 60

gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acttgttcta gctcttcctg acttttctaa aacttttgag 180

ctataatgtg atgcctctgg agtgggagtt gaagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttatggaaaa actttattat ggctccccca actaccc 287

<210> 6533
<211> 363
<212> DNA
<213> Glycine max

<400> 6533

ttgaacagaa acattacttt gtctggagac atgaaaatag acacaaggaa aagatcaaaa 60

actatatttc gaacacaagt aatatacaaa gtaaaattta gccaacctgt cattaactcc 120

ttcaagcatc acatactcaa atagaacttt gtagttcttt ttgaagcaaa gctcctctcg 180

aagtgtctga agaagcaact ccagcttgta ctttcgattt ataggcatga tccagtttct 240

tacctgacat tagatttaaa tatgagcaat cctccctttc ttcccatcct tacattttca 300

tgtctaattt caagggtgat ataccaacaa ataacagtaa agtaataaga aatttacctc 360

atc 363

<210> 6534
<211> 367
<212> DNA
<213> Glycine max

<400> 6534

tatgctgcaa acatttataa tagacccctt cttctgaaaa accaacaaca gcagaataat 60

tatgatcttt caagcaacag atacaatcca ggttggataa atcatccaaa tctgagatgg 120

gtaagtcctc cacaacaaca acagcctgtc cctcccttcc agaatgttgc tggtccaagc 180

aagccatatg ttcctcctcc aatatagcag caacaacaac aaagacaaca agcaactgag 240

gctcctcctc aaccttcctt agaagagtta gtgagtcaaa tgaccatcca gaatatgaaa 300

tttcagtaag agacaagagc ctccattcag agtctgacaa atcagataag gcagaaggct 360

actcagt 367

<210> 6535
<211> 283
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6535

agcttattnc tatgttaaaa ccttttttatc actgccaaaa ccgcatgggt gttcgacata 60

gatgagacta cactctctaa tctcccttac tatgctgacc atggatttgg gtatgacttt 120

cttttgtttg tctatgttat tgctagttat ttacttacag taaattacat aaactttctt 180

agatttaaag aaattatacc tgtacgtctt tcttcctttt ttgacacacc tacacacttt 240

tctttaattt taaaacatac acaaactttc ttaaatatta ttc 283

<210> 6536
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6536

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aagggtttga ggtttgtgct cctaagatga ataaatacag acctttgccc ttcaatgcaa 120

caacctggag caattgagca gcctgaagct tatgctccaa ataatgacaa tagaccttct 180

caacctcagc agcgaaatca accacaacag aacaagtgtg agctctccag caacagagac 240

aacccaggac ggaggaatca accctacctc agatggaaca gccctcagca acaacaacag 300

cagactgctc catcctgacg agatgctatt ggcccaagcc gaccatacat acctccaccg 360

atacaacaac agcaacaacc ccagaaacag ccaacagatg ag 402

<210> 6537
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6537

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gagggaggct taccataagt tacttcatat ggagtcatct gggtggtata gtggcacgtt 120

gtattataac accactcagt caagcttaga aatttgcccc attgagatag ttggttataa 180

atgaatgctc ttaaatactg ctggagcact tggttcagaa ctttagttcg gccattgctc 240

tgaggatgat aagttgtgct catgcgcaac ttggtcccat tgagcttgaa gagctcttgc 300

cagaagcgac tcatgaagat tggatctctg ttggaaatta tacttttagg aaagccatga 360

agcttgcata ccatgttgat gaanagttaa gtaacacggt gggttgtgaa attggtgggt 420

agcatgccga aatgagcttc ctttgagaag ttgta 455

<210> 6538
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6538

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agattatcta ggactccagg aacatgctag tattcaagct ttgtcatatc atccactcca 120

cttggtggga cttctgtatc tctatgataa atactggaag ctntaacaac aacctgcaaa 180

tctcaagaca aacaagagca atgcaaaaat tcacaaatcg taaacattag aaagtttcaa 240

atatgaagtt aacttaaaaa tgtatttata gtataccaaa tacaccaaat aaaagtacag 300

acatcgtgca aaacaagaac aagtattttc aaactttcaa taagacacat atctttatta 360

tgatatgctt caaaggttcc caccggtcat tcatgtncaa gatatcaatg tactcgaagt 420

aaaccagtca gattgaaaga acatg 445

<210> 6539
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6539

ggatgcaagc ttcattgatt tatgtattta agttatcaag tgcatctatt tatcattatt 60

gagatttagg gagaagggag attatgattt aggagggtgt atatatagta ttactcaaat 120

aaaagacatg aatttaaaat gtggaatttc ttgcctgagc aaaagcatat ggtaaagcag 180

aatacattcc agctgctctt tccctataaa agactattcg ctcagcagca accactggct 240

gcactgaata agcattctta atgccaataa ggaggacagc aacatacatg gagcccaagg 300

cgtttaaaag atcttgttgc ttttcactgc aataattgac gtgaaagctt cctgttagat 360

caaatagtag caacaaaaca natgagatta aaaataacat ttgcaagctt cttgttngat 420

cttacatttt 430

<210> 6540
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6540

ggatgcaagc ttctagaaaa acaacttcta gtaaaaggaa agcatcctcc acaactgcta 60

gtgaaaaggt aattttagtt ttaaaatata tttttgactt aaatttgtgt tttagtttct 120

caaatttagg cacttttagt tttggtctcc ttgatagaaa tatgttcttt ttaatcactc 180

aaattcaaga aatgataatt ttggtccctc agagactcaa agaacagatt tttaattgaa 240

ggataaaaaa aaatatttta aatttaaaga actaaaaaca tatttaaatc ttatatttca 300

ttaaatttta ttttataaat cttaaccaac cttttataaa tattatcttt tatttgtttt 360

tactctttca aacatccaac attagtgaaa agaaagaggt ctagacaagc attacaatac 420

aaatcagttn tgtttctctc ttatttgaca c 451

<210> 6541
<211> 456
<212> DNA
<213> Glycine max

<400> 6541

agcttatgct acaacatcta caacagacct cctcaacctc agcagcatat tcaaccacaa 60

cagaacaatt atgacctctc aagcaacacg tacaatcccg ggtggaggaa tcatcccaac 120

cttagatggt caaatccttc acaacagcag caacaccaac cttattttca aaatgctact 180

ggcccaagca gaccatacgt tcctccacca atccagcagc aacaacaaca acagccccag 240

aaacaacaaa cagttgaggc tcctccacaa ccttcccttg aagaacttgt gaggcaaatg 300

acaatgcaaa acatgcagtt tcaacaagag accagagtct ctattcagag cttaattaat 360

cagatgggac aattggctac atagttaaat caacaacagt cccagaattc tgacagatta 420

ccttctcaat ctgtccagaa tcccaagaat gtgagt 456

<210> 6542
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6542

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agcatacaca cgaacaacat cttcagtgcc agatggtcgc acaaagcatc gaccttgggg 120

gtccttagct gtaaatgcag aagaggaaag agtatcaagc tgcaatatta gtaaactgaa 180

attctgcact ttaatctttc acactaaaag gctttcatgg atggatgaaa ctgacaaata 240

tctcgcagtc agtgaaattt tgccaagcca cttggacttg ataacagtaa tagtataatc 300

ccataaacaa gacaccaact tttcagaaat ataacattca attntggtat tatttaggcc 360

tccttgcctc cctcactctg cccattcttg gtggtttcac aaataanagc aagcaagcaa 420

tgataaaacc aaaaaacaat gttgtctttg 450

<210> 6543
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6543

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tgggtgttgg tcaatgtacc acatttaata gtacaaacta naagaacaag aaaaacagac 120

caatttctag gcgtctcaga aaaaacttta aacaagacag ttcacctaat aagtttttgg 180

attagtagta atcatatttg tgtaaataaa tagcttacca gagttcattg gactccatcg 240

ctggaaccga aaaggagatg gtatgttgag aacagaagca ccagaaacac tgttatgcct 300

ggaaatggga agatattgcc tccgganaaa ccttggcatc caattgccaa tacatgataa 360

agcacanaga agaagaataa aa 382

<210> 6544
<211> 232
<212> DNA
<213> Glycine max

<400> 6544

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agtttggtat gtgctaattt atgttacatc acatgcttat gtattgtgat tggtcttgct 120

gcatatttca gattctagtt ttgttccacc actagtttat gctgttcttg gaagctcaaa 180

agaccttgca gttggacctg attcaattgc tttttctgtg atgggattca tg 232

<210> 6545
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6545

agcttgaaat taaacaacgg aagctctcga gatattcaaa ttgtcataac ttttaactcg 60

gaggtccgat tcaggcgcgt aatatatcga gacgctcgaa attgaacaat ggaagctatt 120

gagcaattca aatggtcata acttttcact tggaggtctg tttcaggcac ataatatatc 180

gagactctcg aaattgaaca acggaagctc tcgagaaatt caaattggca taactnttca 240

ctcggaggtc agatacaggc gcataatata tcgagacgct cgaaattgaa caacggaagc 300

tctcaagaaa atcaaatggt caaaactttt cacacggagg tcagattagg cgcataatat 360

atcgagacgc ttgaaattga acattggaag atctcgtgaa 400

<210> 6546
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6546

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tgtatgtata catgattttg atgatgccaa atattaatca aacaagggtg cttcaaatga 120

taagcatttg cttcaagaat aattcaagag tgcttcaaca aacaaagcct tgtttcaaga 180

ttcactaaag accaagcctt gccttaaaac aaagtgcttt caagacatgc caggctctgg 240

taatcaatta ccaggaagtg tnatcgatta ccagaagaca tcggtgagaa atagctgatg 300

aaaaacgttt tgaatttgaa ttttcaacat gttatcgatt accatatgtc tgtaatcgat 360

taccagcaac gaaacttcgt gaaatcaaat tcaaaagtcn taacccttca aat 413

<210> 6547
<211> 446
<212> DNA
<213> Glycine max

<400> 6547

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ggtaacttgt gtctttctca catataggac atgcgtggtg gcctttgacg ctatatctac 120

tcaaattccc atatgtcgga aagtcgttaa tggtgcaaaa aatcattaca cgcaacctga 180

atgtctcctg agcattcctg tcatacacat caaccccttc tacccacaat ttcctgaggt 240

cttcaatcaa tggagcaaga tacacatgaa tgtcatttcc tggctgtctg ggaccggcta 300

tcatcataca catcattatg tacttccgtt tgatgcacaa ccaaggagga aggttgtaaa 360

tcatcagcaa aataggccag gaactgtgtg tgcagctcaa gttcccaaaa ggattcattc 420

catcggaggc gagaccaacc cttatg 446

<210> 6548
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6548

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tggaaccttc acccgacgaa gagactgaca aaaacttatt ttctcctttt tggacaaagt 120

atggcaggct gggggcaagt aaattttctt cccatcagac cttggatgca actgtgatcg 180

tatgcccata tcagctagat gttgacgggt attcaagcca tccttcgtct tgccttgaat 240

gttaaggagc gtcccaatca cactgtcaca aacatttttc tccacatgca taacatcaat 300

acaatgtcta acgtcaggat cagaccagta cggaagatca aagaatatag acctcttctt 360

catatgcaac tcttactttt atccttcttt gggcttncca aatatagtat ttaggtgtga 420

acccgctcat atacct 436

<210> 6549
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6549

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tagcatcatt tcttgcactg aattgttttt atttggaaac catcttctca atcagattcc 120

tagcctcaac aagagtcata tcaccaagag ctccaccact ggcagcatca atcatactcc 180

tctctaggtt gctaagtccc tcatagaaat attgcagaag gagttgctca gaaatttggt 240

ggtgaggaca acttgcacac aatatcttga atctttccta gtactcatac aagctctctc 300

aactaagttg cctgatgcct gaaatgtctt tcttgatggc agtggtccta gatgcaatga 360

agaanttctc caagaacacc ctcttaatgt catcccagct ggtaatggac ctgggagcaa 420

<210> 6550
<211> 213
<212> DNA
<213> Glycine max

<400> 6550

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ccaacctgaa tgttctctga acattcctgt catacacatc aaccccttct acccacaatt 120

tcctgaagtc ttcaatcaat ggcgcaagat acacatgaac cgcacttcct ggctgtttgg 180

gaccggctat catcatacac atcattatgt act 213

<210> 6551
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6551

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aggacattga tgcaatccta cccccaaggg ctttggatag aagactccaa aaagattggg 120

ccagagatgc aagagaagac cctagggttc tcatgagcct tagggtagat ttcagaccca 180

tgggctaaat atgagcccac ttatctntgt acatattaga ttaaggtttt attatttttg 240

ggccttgtat ttagggcttc atagtgtagg gagggtaccc tagtaatgta ggattnttta 300

acccttgtat tttagttcac ttagactagt tnttgtatag ggtagtttta ataattcaca 360

tacatcaaat aatattatat ctgtatattt ataattagga atatgattgt taacgtgtng 420

aaatcataga attc 434

<210> 6552
<211> 404
<212> DNA
<213> Glycine max

<400> 6552

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gagtgggtta ccactactgg aaaacccgca tgcttaatat tatagaggca atagatttaa 120

atatttggga agccatagaa caaggacctt atgttccctc tataatagcc ggaagtgcaa 180

caatagaaaa acctagagca gattggactg aggaagaaag aagattagta caatataatt 240

taaaggccaa aaatattatt acatccgcct taggaataga tgaacacttt acggcttcaa 300

attgtaaaag tgctaaggat atgtgggata caatacaagt aacacatgaa ggcacaacag 360

atgttaaaag atctaggata acactcctac tcgtgaatat gaac 404

<210> 6553
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6553

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gttacttgtc gagccaaaac aaggtacatt tcattctttt agctttgaat atatatcccc 120

aaactatgaa gataaaataa atgaaataaa gattatacat gagaattatg ctcacgtgct 180

ttaccctgtc aaataggttt atacaaactt agaaggcaac cgtgcaaact tagttcagac 240

ttcatgggct ttgttgtccc ttattgatgc aggacaggtt agtaataaag ctctatgttt 300

tgaattttta ccatatcata aatttaaacc tcctaactcc ttaggcccta tggaaaaacc 360

ctgcaaagtg caatggtcct ctagttagta aagtgcattg tacccccttgt caaagatggg 420

actattactt gaacaactta anaaatattt ta 452

<210> 6554
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6554

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tttcatgagg tcatttcttc atttagcttt gaagagaatg tcatggatca ctgtatatac 120

cacaaggtca gtgggagcac tacaagaaaa ataacctata cctatagaca aaaactgtca 180

ctataaataa aaaatccgta ggtaaatgta tgatagactt tgtcctacag acatttcttc 240

tgtcaacttt aaggggggcgt ataatgacgg ttaattgtct gtcactatag attctaccta 300

ctatgtatag cgtgtaggta aaagtcatta acttctactt acattatcta actgcaggta 360

aaagtcttta atatgaacat cacttgagac tgcaagaacc ttcttttcca ttaaccgatg 420

ccacanaact gtacta 436

<210> 6555
<211> 414
<212> DNA
<213> Glycine max

<400> 6555

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ttggtgaaag cgttcttcac ccggctttga tataaccatc cttggctcat ggcggccaat 120

ctcttatctt ctataatatt cagctgatca aagcgtgcct gggtccattc cgactctttc 180

agccctaact caaccagaat tctcaaagag ggaacctcca cttcaaatgg aagcacaacc 240

tccatcccgt acactaatga gaatggagtt gccccagttg atatgcacac cgaggttcga 300

taaccatgca gtgtgaaagg gaaaatctcg tgccaatcct tgtatgacac ggtcattttt 360

tgaactatct tcttgatgtt cttattagca acctcaactt cccccattca ttgt 414

<210> 6556
<211> 134
<212> DNA
<213> Glycine max

<400> 6556

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acaatttcga acgtctatat ttgtgatgct actgaatcgg acatctgtgt gaaaagttat 120

gaccaattga attt 134

<210> 6557
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6557

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ggtcataacg tttcacacgg atgtccgatt cgggcacata atatgtcgag aggctcgaaa 120

ttgaacaacg gaagctcttg agaaattcaa atggtcataa cttataactc ggatgtctaa 180

ttcaggcgca tcacatatag aggcactcaa aaatgaacaa cggaagctct cgagaaatnc 240

aaatggttat aactattcac actgaggttc gattcatgat tataatatat caagacactc 300

gaaactaaac atcggaagct ctcgataaat tcaattggtc ataacttttc acacgaatgt 360

ccgattcgtg cgcataatat gtcgacacgc tctgat 396

<210> 6558
<211> 449
<212> DNA
<213> Glycine max

<400> 6558

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aatgctttaa tacctgcgct cgtagtagag actttgatac tggacaatgg gtgcaccagc 120

acattcgtaa ggctggttat gatcccttca tgtccacatc taatagtaac atcattcttg 180

caactgcaat tcttgaaatg tatgccaaat gtggcagctt caagatagca agagacctgt 240

tcaacaaaat gcctcagaga aacattgttt cttggaacag tatgattaat gcatacaatc 300

aatatgagag acataaggag gcactagatc tctttttga tatgtggact agtggcattt 360

atcctgataa ggctaccttt ctgagtgtgt tgagtgtttg tgcccatttg tgtgctctgg 420

cattgggaca aactgatcat gcttatctg 449

<210> 6559
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6559

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atcggagtaa aaagctattg tcgttagaat ttgctcagag cttctgttct gaattttgag 120

agtcttgata tactacggaa cacaatcgga catctcagta aacagttatt gtcgattgaa 180

tctgctcaga gcttctgttc ttaattacga gagtctcgat atattacggg attcattcgg 240

acatccaagt aaaaagttat tgccgcttga atttgctcaa agcattcgtt gtcaattacg 300

agcgtctaga tatattacgg gattcattcg gacatccgag taaaaagtta ttgtctttnt 360

atttngctca gagcttctgt tttcaattcc cagcatctcg atatattaca ggactctatc 420

<210> 6560
<211> 406
<212> DNA
<213> Glycine max

<400> 6560

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gttatcaaac ataataaggg aaaaggtaat attgtagccg atgctctctc tcggcgtcat 120

gcattacttt ctatgcttga aacaaaattg attggtcttg aatgtttgaa aagcatgtat 180

gaaaatgatg aaacttttgg agaaattttt aaaaattgtg aaaaatcttc agaaaatggt 240

ttctttagac atgaaggctt tcttttcaaa gaaaacaaat tgtgtgtgcc taaatgttct 300

actaaaaatt tgcttgcttg tgaagcacat gaacgaggtt taatggggca ttttgtggtc 360

caaaagactc tatacacatt acaagaacac ttttattggc ctcata 406

<210> 6561
<211> 318
<212> DNA
<213> Glycine max

<400> 6561

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gtgaagaaga atgtggcatt tacttgggga gaaagacaag agcaagcctt tgctttactc 120

agagaaaagc ttactaagac acctgttcta gctcttcttg actattctaa aacttttaag 180

ctagaatgtg atgcctctag agtgggagtt ggagatgtaa tgttacaaag agggcaccct 240

attgcttaat ttagtgaaaa acttgatgga cccaccctca actaccccac ctatgataaa 300

gagctttatg tcttaata 318

<210> 6562
<211> 254
<212> DNA
<213> Glycine max

<400> 6562

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aatttattgt cgtatgaatt ttctcagagc tttagttttc aattatgagc gtctcgatat 120

attacgagac tcaatcggac atccgagtta aaaattattg tcatttgatt tttgtcagag 180

cttacgtttt caattacgag cgtctcgata tactccggga cacaatcgga catccgagtg 240

aaaagttatt gtcg 254

<210> 6563
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6563

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ttcagctagg gccatgtatt ctgcttcagt agttgaaaga gtaacaactg attgttgtac 120

caaacanagt aaacacatat cctattaaaa atttccttgt gtctacattt cctgcaaaat 180

ctgcatctac atagcctgtg attgctgcct catgtgctgt cttcttgacc ttaatccagc 240

ttt 243

<210> 6564
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6564

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tcctgagcag gtacgagcag ttatgcaagt gggatcagca actttcatta tcagagtaat 120

caagcacagc ggaaattctg caagttgcaa gtcgtttcca ggatgtcaag acatctcaca 180

tgacatcagc tntctgcttc tgctcccccc gtctccatgc tcttactgca gcatcttcta 240

tcagctacta gtcttttcca ggatgtcaag acatctcatg tgacatcagc tntcccttgt 300

ctccatgctc ttactgcagc atcttctatc agctactagt agcttacatc agtcatcatc 360

agcagcagca gtctcccccc caaaatcatg tacatacaac tccccctcaa aatcatgact 420

catgcataca tcgtatccta cttctctaaa t 451

<210> 6565
<211> 448
<212> DNA
<213> Glycine max

<400> 6565

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caatatgttt actcctgtca tgtgcctcac gatgcttagc taaatcaatt gcttatttgt 120

tatccatcaa caacctcata ggactgcaat ttctcaagtt tagttctccc attaaagctt 180

ccagccatag agcttgacag gccgccatag cagcagcaat atattcttct tcacatgttg 240

acaaagcaac tacactctgc ttctttgagc accaagagat tggtgatgtt ccaaatttga 300

aaacatagcc agtagtgctt ttcctatcat ccttatcacc acaccaatct gaatcactat 360

aaccaaacac ttcttcttct atattctttt gactgtaaag acataaaatt ccaagatcca 420

atgttccttg cacatacctc agaatcct 448

<210> 6566
<211> 285
<212> DNA
<213> Glycine max

<400> 6566

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cggaggctct cgagaaattc aaatggacat aactttgaac tcggatgtcc gatttaggcg 120

catcacatat cgagactctc gatattgaac aatagaagct ctcgagaaat tcaaatggtc 180

ataactttta actcagatgt tcgattcagg cgcataatat atcgagacgc tctaatttga 240

acaaaggaag ctctcgagaa atgcaaatgg tcataacatt taact 285

<210> 6567
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6567

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gcttagctac acacccccta taatagctaa gctcacccat atgccaaaaa acatgaaaat 120

acaaaaaaag ttcctactac aaagactact caaaatgccc cgaaatacaa ggctaaaacc 180

ctatactact agaatgacca aaatacaagg cccaaacgaa ggaaaaacct attctaatat 240

ttacaaagat aagcgggttc atacttagcc catgggctca aaatctaccc taaggctcat 300

gagaacccta tggccttccc ttggatctct agcccaatct acttggagtc ttctatccaa 360

tgcccttacg gngtaggatt gcatctatat cttcctttgg atntgcaaag agtcgtcatt 420

attctataat gac 433

<210> 6568
<211> 422
<212> DNA
<213> Glycine max

<400> 6568

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gcattttcta acacattagt aacagagttt gaacaggtca agagctgact gacttgaata 120

aagaccaaaa gcaatgcaag taacttgcag atggagatag tacaaaattt gctgtttaat 180

acataatgtt taacaaaggt aacactacta caagacaaat tcagaatttc agattaatgt 240

agaaacaaga tgcaactaga gactgcaagg cataaccttt tcaggatcta gtcccaactc 300

tttcgaaaga ctgtccttca cagatcttgg aggaagctca ttctctgcaa aagcttggcg 360

aagtttctgg catatttcat caaaaaaaat taaaagacac aaattagtgc gtgtataatt 420

at 422

<210> 6569
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6569

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tactcacaca atcaactcaa aagtactttg gtagcgttgt ttcatttaga agagttctag 120

ctccttcttc aagggatcta tttttcctct ccacaacacc attttgttga ggtgttctag 180

ggatggaaaa gttgtggtga attccatttt cttcacaaaa catttcaaaa tactcatttt 240

gaaattcacc tccatggcca cttctaattg aaacaatatt aagacctttc tgattttgaa 300

taactttgga acgtttgcga aaagcatcaa aagcttcatt ttttgttttc aaaaacaaat 360

tccaagtgaa ccttgaataa tcatctatta ttaccaagcc caaactcata gttc 414

<210> 6570
<211> 270
<212> DNA
<213> Glycine max

<400> 6570

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catgtaaatg ccacattctt cttcactacc tcattgagag gtgatgcttt tgtacagaaa 120

ttaagaacga accttctata gaagctggct aaaccatgga agctcctaat atctcccaca 180

ttttttgggg tgggccattc ttgcatggac ttgatcttct tagggtccaa ttggacgcca 240

tttttaccag ctacacaccc taagaaatac 270

<210> 6571
<211> 299
<212> DNA
<213> Glycine max

<400> 6571

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gactgaacaa catatgctct cgagaaattc aaatggtcat aacttttcac tctgatgtcc 120

aattcatgcg catcacatat ctagatgctc gaaattcatc aaccgaagct ctatcgaaat 180

gcgaatggtc ataagtattc actcggatgt caaaatcacg cgcatcacat atcgagacgc 240

tctaaattga acaacggatg ctctcgagat attcaaatgg tcataacttt tcactctca 299

<210> 6572
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6572

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ctgttcccca aattcctgaa aaatgtaaag atccaggtac attcagcata ccttgtatta 120

tagggaatag taagttcgag aatgccatgc tagatttacg agcttctgtt agcgttatgc 180

ctctgtctag ttataattct ctatctctag gtcccttgca gtcaactgat gcggcaattc 240

atttagctaa tagaagtgtt gcctatcctg ttggtttcat agaagatgtc ttagttagag 300

ttggtgaact gattctccct gttgattntt atattttgaa tatggaagat ggattgtctc 360

aaggatcagt tcccatcatt ctaggtagac cctttatgag aactgctaga actaagatag 420

atgtttat 428

<210> 6573
<211> 366
<212> DNA
<213> Glycine max

<400> 6573

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gcttcccttа aaaaaaaaca acttgatctt gaaatgctta gtcctgccat gaaaaacagg 120

attatttgaa atggaaataa ctgtttgatt atcaacaaag aatttgtgta ggctcctttt 180

gttccatatg taaatcaaca agtatacgcc ttatccaaat agcttgattc acaactgcag 240

tgactgccac atattctgcc tcaactgtgc tatgagccac tatgtcttac ttttttgaac 300

tcaaagaaaa catacccgaa ccaaagttga aacaataacc tgttgtactt ttcatatcat 360

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<210> 6574
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6574

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tcccaacctt agatggtcga atccttcaca acagcagcaa caacaacctt attttcaaaa 180

tgctgctggc ccaagcagac catatgttcc tccaccaatc cagcagcaac aacaacaaca 240

gccccagaaa caacaaacaa ttgaggctcc tccacaacct tcccttgaag aacttgtgag 300

gcaaatgact atgcaaaaca tgcaatttca tcaagagacc agagcctcca ttcagagctt 360

aactaatcag atgggacaat tggctacaca gttaaatcaa caacagtccc agaattctga 420

ca 422

<210> 6575
<211> 344
<212> DNA
<213> Glycine max

<400> 6575

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tctctatttg gttcttaacc ctctcatgca tcttctttac aaattctgac ctagattccc 180

tttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtctaac ggtgttaggg 240

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tgtaggaaaa ttctacatga ggaagatact catcccaaga ctta 344

<210> 6576
<211> 400
<212> DNA
<213> Glycine max

<400> 6576

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gatcattaga accaacgaac tgagtgacaa acaattattt attgaagctg ctctcgaata 120

agatgacaac caatctctat atgcctggtc ctctcatgga agactcgggt tgcggcaata 180

tgaagagcag actgagtatc acaatacaac ttcatttgca aactcttcac aaaacttcaa 240

tacttgcaga taatgtctga tccacatgag ctcacatgta accatagcca tagatcgaca 300

ctcagcttct gcactagacc gagcaacaac cgttggtttc ttgctttccc aagagaatac 360

attttctcca atgaagacac aatcacttga tgagatcttc 400

<210> 6577
<211> 408
<212> DNA
<213> Glycine max

<400> 6577

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gaagttgata ttatattcta atgacacttg gatttgaaac ttgaatttgt gtgttcctat 120

ttatggagcc acatctctac ttatcatgat tacagagtat tagatatggg tgagccaacg 180

catccaatag cgagggctgg attccacact aagtgtgctt aagctgcatg atgattgaga 240

agaatgaaag acatgcactc agtgtgacta tatgaagtgg caatagggtg aaccagcaaa 300

tgctcacccg gccccttta aagccactga ttgtgctctc ccagtacatc aattcatctc 360

cacacacgcg taaataaact taatgcatga gaagtaaaac ctgcctgt 408

<210> 6578
<211> 426
<212> DNA
<213> Glycine max

<400> 6578

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aacaattatg acctctccag caacaggtac aatctcttta tgaggaagta tcccaacctt 120

agatggtcga gtcgttcaca acaccagcaa caacaacagc cttattttca gaatgctgtt 180

ggcccaagca gaccatacgt tcctccacca atccagcagc aacaacaaca acaacaaaaa 240

caacagcccc agaaacaaca aacagttgag gcccctccgc aaccttccct tgaagaactt 300

gtgagacaga tgactatgca aaacatgtag tttcaacatg agaccagagc ctccattcag 360

agcttaacta atcagattgg accaatggct acacagttaa atcaacaaca gtcctcgaat 420

tctgac 426

<210> 6579
<211> 377
<212> DNA
<213> Glycine max

<400> 6579

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gtttatatgg acaactagtc tcgggaaagg taattgcttc tggtttggat gaagagcttg 120

ccaaggaagc caaaagagct ggtatatact tgagtcgttg attatctctc ctccatacaa 180

gcattttcag ggcacaatgt tctttgctaa agtgctattc acttatgcca tttttgccag 240

tttctgtctg aaaacatagg ttagcacagg aggtagcatc catgctacaa ttgagtgttg 300

agattgatac cggctcatct gagaggttag tttatttgtc tccagtaatt ctcaccacaa 360

ctaaaataaa atatctt 377

<210> 6580
<211> 430
<212> DNA
<213> Glycine max

<400> 6580

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atatattacg ggactcaatc agacatccga gtaaaaagtt attgccgttt gaattggctc 180

agaggttcaa cattcaatct cgagcgtctc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgagttggct cagaggttca acattcaatt tcgagcgtcc 300

cgatatatta cgtgactgaa tcggacatcc gagtgaaaag ttattgtcgt ttgaattggc 360

tcagagcttc aacattcaat ttcgagcgcc tcgatatatt acgggactca atcagacatc 420

cgagtaaaaa 430

<210> 6581
<211> 360
<212> DNA
<213> Glycine max

<400> 6581

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cacttcttgt cacgatgatc tataataagg ctcttaccct ttcttgtcaa tcaaagcagg 120

accacacttc tggggaaata atcaatttca tgactgctga tgcggaaaga gttggtgttg 180

tcaggtggtc tatccatgat ttgcggatgg tggctctgca agaaacatta gccctggtga 240

tttggtataa aaaccttggg ctggcttcaa ttgctgcttt tgttgcaaca gttgttatta 300

tgttggcaaa cgctccattg cgatcatcgc aggagaagtt tcacaagaag ctgatggagt 360

<210> 6582
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6582

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gtggctgttc ttgactctgt catcttgaag gtgtacagtt gttgcttcaa gcatagccga 120

tttgcaaggg actttgtcat atacaatgac tccagtttca gccacattga ggctgctgtc 180

ctttctcttg caacttctct taaagctttg tctccaaggc atagaatgat tgcacttcta 240

gctttagcaa tcatctctga tttctccttt gagcttagag attcagacat cttttcttct 300

cctttaagag catctgcata gccatgttga atcaagattg cttccatctt gattctccat 360

aacccgaagt cattttcccc tgaaaacttc tctatatcat ancttgttgt tcccatcttt 420

cttgatcttg atcctgttc 439

<210> 6583
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6583

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ctacaacaat tgcagcaaga cccactatcc ataatgagag naataatttt gtttaaaacc 120

ttgcatcttg tatgaaagat gttttctttt tgggtttggg ttaggtcaca agattgactc 180

ccaatgagcc atctctccat tagaagatca ccttcttcgt aggggcaaac ctcttcaata 240

tgctcatcac ccttggcttc accctcactt ccacctgagg aaggagaaga agtagccttc 300

tcttgactac tgtagatgtc ttgatcccac atgatcatgg ttttctttgt agtggcattg 360

agaaagaatg tggcctttcc caatacattn taagcactta atgttactag ttctatc 417

<210> 6584
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6584

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ttttctctaa aattaaactt aatgggcttc tagagcaaaa gagagttttt caacttcaac 120

caaataaaga aacttcaaag cattgttctt tgtttgtggt aactttaatt acaaagcata 180

cacatatata attaattntc aattaagaaa aatcaaatta cctcttcaaa caatgtaaca 240

taaaagataa aacaaaccac aaaaaataat catgaaagga agagataaat ttatttccaa 300

ccacacatat caaatattca tttaatgaat gtgaaattac aaaactaccc ctaatacaaa 360

aactagtcta ggtgccctaa aatacaaggg ctgaaaaatc ctacatttct agggtacctt 420

acctatatta tggat 435

<210> 6585
<211> 439
<212> DNA
<213> Glycine max

<400> 6585

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gctgattttc atcaaagatt ctacacatgt tgatcaactg tgcaaagtta tgaataccgt 120

gataatttac catcattttt acttctggtc gaaggccatt gacaaatttc atgcatttgg 180

acctctcccc agcttccccc taataatgag gaaaatacct tacaaggttc tcaaacctcg 240

ccgcatactc tgccaccgtc atactttcct gtttcagctc aagaaactcc atctccttcc 300

tattcttgac atcttccgga aaatacttct ccagaaaagt ttgtctgaaa gtctcccatt 360

ggacaacaac accaccgtgt ccctctaaac gtgggcgagt gttctcccac cagtactctg 420

cctcatctga taacatgtg 439

<210> 6586
<211> 292
<212> DNA
<213> Glycine max

<400> 6586

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tatcaccacc taacagattt tgtttctcaa gttcatgtat tcctctttca ctaacatgac 120

ctaatctcag atgccatatc ttcgagttat cactcaatgt attactagct accgatgcat 180

gtccaatagc tagcggaacc tatcagaata aacaagccat tacttttatt cttgttaccc 240

ttacctatga ttaaagatcc atttgaaatc tcaacaacac catatggaat tc 292

<210> 6587
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6587

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gccatgaggg tgggctcatg ggccactttg ggatagacaa gaccctagtc ttactcttag 120

aaaagttcta ttggccccat atgaagaaag atgtccataa gcattgcact aagtgtgtgg 180

cttgtttaca agccaagtct agggtgatgc ctcatgggct atacacaccc ttacccattc 240

catctgcacc ttgggtagac attagtatgg actttgtcct tgggctccct agaacccaaa 300

gagttgtaga ctctatcttt gtagtggtgg ataggtttag caagatggca cactntatac 360

catgccacaa ggtggatgat gcttcccata tcttaaaact c 401

<210> 6588
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6588

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actcttagta gagaatcttg gacttgatct tggattagtg gactgaacca tatctgaaat 120

tcactaatta taattagtga aattttggct ccaaaatttg gctccacaaa ttcaatttca 180

aattcaagtg aaatttgaat agaaattcaa attttcctcc aattntatgt gacacttagg 240

ctataaatag aggctaagtg tatgcatttt ttcgaacttt gatcatttga aaatgaaact 300

tcagatttta gagctctttt agaacacaaa attttgtgct cttctcttcc tctcccttca 360

ttcatctcct tcttcctcca agctcttatc catggcctcc tatggtggtg aacttcttct 420

agactcatct tctccttgaa g 441

<210> 6589
<211> 381
<212> DNA
<213> Glycine max

<400> 6589

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tacgtaatga ccaatccaat gatgatctta taatgcgcct aacataagcg atcgctattt 120

tatatatgag agaagggaag agagaatgac aaaacctatt tatactggtt cgaccacttc 180

ccgtgcctac gtacagtcct cgagtaaccc acttgagatt atccactatc tctataaatc 240

ctttatagac tttgaacaca ccttgggatc catctccctt gtgttcaaga ttctccaaga 300

gacaaccagt ctcttgatta caattatcac aatctaagag acaatcagtc tcttgattac 360

aattaagtct atgagatgaa t 381

<210> 6590
<211> 406

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6590

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tgtcttgact ttttttatg acagtaaata ctatatcttg acttgagaat ttatttgaa 120

aacttactta aaagtaaggt caattaaata aattaagact atctctatat tattaataat 180

caactagatt aattaacaat tatataactc aaatatccaa tgataaattt gatataataa 240

ctacattatt aatattattg ggaaaaacaa tacaaagtca ataagttcct cgcggaattg 300

atcatgaatt ttactatcaa cttattctta aaagaaaaaa ctttgaaata taaatcatgt 360

ttcttcaaaa ataactttaa ctgacattaa ttgtataaaa tcaatt 406

<210> 6591
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6591

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aattgttgaa atgtatagta agtcggtcat ctagtgacag cataacaaag tcacaaatac 120

tagtactaag ttgaagaaca tattgcagta tcgagtgttt gctggttaca tattttcagg 180

ttatatacct ggaggagttc cacaacacat attgcggtca tcaatatgct caacttcaag 240

accaatgaac catgcaccaa gtgagacatc ttcattagca tatttatgca aaatcggcct 300

gcaatcataa ttagactcca catgaaattt ctatatgtaa gagaatattc tatgagaaac 360

atggactgat ccccgaactg agatttccta ttatgaaaat tntaagttta tgaaaaagaa 420

agtttcttat tgtaatcaaa tctt 444

<210> 6592
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6592

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ttccgctgtt aaatttcgag cctctcgaca tattatgcgc ccgaatcgga catccgtgtg 120

aaaacttatg atcatttgaa tttctcgaga gtttccgatg tttaatttcg agcgtatcaa 180

tatattataa ccctgaatcg gacctcagtg tgacaagtta tgaccatttg aatttgacga 240

gagcttccgc tgttcaattt cgaatgtcac tatatgtgaa gcgcctaaat tggacattcg 300

agttaaatgt tatgaccatt aggatttctc aagagcttcc gttgatcaat tctgagcgtc 360

tcgatatgtg attcgcctga atcggacatc cgtgtganaa gttatgacca tttgaatt 418

<210> 6593
<211> 293
<212> DNA
<213> Glycine max

<400> 6593

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taaaaaggga aaaggcaata ttgtagccga tgctctttct atgcgtcatg cattactttc 120

tatagcttga aacaaaattg attggtcttg aatgtttgaa aagcatgtat gaaaacgatg 180

aaacttttgg agaaactttg aacaattgtg aacaaatttc agaaaatgga ttgattagac 240

atgaaggctc tctttccaaa gaaaacagaa tgtgtgtgcc tcaatgttct act 293

<210> 6594
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6594

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gaaattccct cgccttccgc ttcctcagat ctcgtggaaa gtaattttcc agaaatttgt 120

ccttgaaggc attccaagga atcacgcctc ccgttgcaac aaatgaaggc ttcacgaact 180

tccaccaatt ctcggcctct ccttggagca taaatgtcgg ataagggacc ttatgctcct 240

cgaggcaacc catcgccttg aaaatcttct ccgtctcagc taaccacaac ctagcacctt 300

ccggatcata gtctccactg aactttggct ggtggttctt acggaaagcc atgagcccnc 360

gatactccgc cggctccaca tcacgttcct gcaccagagt atctagcaca gctgtgatgc 420

agt 423

<210> 6595
<211> 437
<212> DNA
<213> Glycine max

<400> 6595

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tttattatca ggattctgat atcctttggt ttcacttttg tggcagcaag aaggtcctta 120

attgccccaa acatcaccat tgatacctct tgcctgccat cattcagtga gtttctgtaa 180

ccagtgcgga aaactccttt tggcaggtac gtttcatcgc ctatgccaga tttcttaaga 240

actcgttctt gaaactcaat ggcggtttca ttgaaattcc tatatttttt ggccaactga 300

atgaactctg ccttatagat ctgcataaat accttattat tgaatgcatg ccaacattgg 360

aatataaaaa ataaatagga tcacctctc acgcatatag ccaaacaact aagagttcat 420

gtatgcatat atgttat 437

<210> 6596
<211> 436
<212> DNA
<213> Glycine max

<400> 6596

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gagtaaaaat atattgtcgt ttggattggc tcacagattc aacattcaat ttcgagcgtc 120

tcaatatatt acgggactca ttcagacatc cgagtaaaaa gttattgtcg tttgaattag 180

cttagagctt caacaatcaa tttcgagcgt ctcgttatat cacgggactc aatcagacat 240

ccgagtaaaa agttattgtc gtttgaattg gctcagagct tcaacattca atttcgagcg 300

tctcgatata tgacaggact caatcagaca tccgagaaaa aagttattgt cgtttgaatt 360

tgctcagagg ttcaacattc aatttcgagc gtctcgatat attacaggac tcaatcagac 420

atccgagtaa aaagat 436

<210> 6597
<211> 406

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6597

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atatatcgag acgctcgaaa ttgaatgttg aatctctgag ccaatccaaa cgacaataac 120

tttttactcg gatgtctgat tgtgtcccgt aatataacga gactctcaaa attgaatgtt 180

gaagctctga gctaattcaa acgacaataa cttttaactc ggatgtctga ttgagtcctg 240

tcatacatcg agacgctcga aattgaatgt tgaagctctg agccaattca nacgacaata 300

anctttttact cggatgtctg attgactctc gtcacatatc gagacgctcg aaattgaatg 360

ttgaagctct gagccaatta aacgacaata actgtntact cggatg 406

<210> 6598
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6598

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tttgaagttg caaaccatat ttcgagacga tccaacggtt aaagaaggct gggcagcatt 120

tttaccgagg aagctccatg tagttttctc tagaagcttc attaagaggc ttctagcaca 180

ctccagacat cttctcaaag atcccaacgg tcagatcatg gacaagtgtc ttgtgaagtt 240

gcagagcaaa gttcgagaag atccaacggt taatgaaggc tgggcagtgt ttttaccgag 300

gcagcttcat gtagctttct ctagaagctt cattaagagg cttcctctag aagcttcctc 360

gtggcttctt cgagaagctg tctcaagagg cttctttgag aagctacatc cttatctatc 420

cacncctcta ttaactaaat taacttcctt caaaattatt ac 462

<210> 6599
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6599

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aaacacgaat gacacctttg ttaaaatcaa catgtgtaaa gatcaaaggc tggccttggt 120

aaccatcaac tgctacaaca tcaagagggc aatctgcacc tgtgcttgtc atatcaaggc 180

cacctaaatc cggggaagcc ggaacgatgt aataactcga acgagctcga actatctttc 240

ctgatgtgtc cagcacttgc tcaggtgcac gacctgctgc accaataata gcctttgtgc 300

tcacagcaac tataaggacc aatgttacca atgtcatctt cattgttcta gttttagtta 360

tgtgtttttg caacttgtga tggatatgga agaagaggga gattatatct acgttcngaa 420

ttggtgtaat ccatgtaccc atgtgcaca 449

<210> 6600
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6600

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aatgaaatgc tattagaaat tatatacaaa ataaatcaca gtttaatttt tttataaact 120

cataaatata atattttaat agtctacatt catcattcca ttccatgtgt acaaacaatt 180

aggctacatt aaaattgtag tccccctaa ttttaaaatt gtaattntga tcccttattt 240

ttaaatcaaa atatttagtt tttttatttt aaaaaataaa taattctaat tnttttttcat 300

tagttgataa tttaaagtca aatattaact ntgatgtgac atattagtga tgttgaactt 360

atataagcaa ttgacatgag actatgtgaa anaagaatta aataaagtga ataataaaaa 420

aatattntaa taggaattga actcataact atttatttat agataaaata aaaattacta 480

attcac 486

<210> 6601
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6601

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gcctccccgt aagcgctcgg ttaatgtcat tagcttgacg catcgtcctg ttatcctgga 120

ttgaagcgta gaatactgtt caatctctca atagctccac catgatattg ctttagcctt 180

tgtccgttca ccacccatat gacgatcaca aagnctcact gcttcatatg ttcggacttt 240

cttgatggta aatggtctag accatttcga tttaagcttn ccaggacaca atttaagtct 300

tgaggtgaac agcaacactt gttgtccttg ttgaaaatcc ctcttgagca gttctctatc 360

atgatactct ntacattttt ctttgtacaa ctgtgaagat tcataagcag ttacatttat 420

ctcttcaac 429

<210> 6602
<211> 400
<212> DNA
<213> Glycine max

<400> 6602

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atcatgcttt gatacatgcc aaagaacaac tagggcgaat gaagagggtg agaatgaggg 120

agaagcccat gttgtgactg ccattcctat agagctagag taatgcgttg catgttgatt 180

tatactggtt cgagcacttc ccgtgcctac gtgcagatct caagcaaccc acttgagata 240

ttccactctc tttgtgaaac tccttttaca aagtctgaac cacacaggga caacccttcc 300

cttgtgttca cgaatcctct acaacaagag acccacggtc tcttaatccc tcttctgaag 360

taagaagaag agaagaagag atctctctta ttagagatac 400

<210> 6603
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6603

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aaccttggac tatgcttgtg gagctggtgc tgaatataac cctctccgct aaaacgggtc 120

ttgtttccag cccaacaccg ttagggccca ctgtaactac gccgtgaaca gctacttcca 180

aaggaagggt caagggtcct gcgactatgc gggaacagcc actgttactg catctgaccc 240

cagtaaatcc ttcaatctct cttttctttt tctttgtttt ctctcttagc atttattcct 300

tggaacaata atcgtagctg acccttttat ctgtttctct ttntcttgat gagcaggctc 360

tggcggtact tgtgtttaca cttctagcgt caggtatgta tntgtatttg atccacccat 420

catcaagctt tcttctggtt aatatgctaa tctt 454

<210> 6604
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6604

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gaaaaagctn tatcttgaaa tgcttagttn tgccatgaaa cactggatca ttagcaattt 180

agattgcagc ctgggtgtcc acaaaaatct gtgtgctttc ttcttgtttc atatgcaaat 240

ctgtcataat tttcctgatc caaagagctt gattcactgt agcaacaata gctacatact 300

ctgcttctgt agttgattga gctacaactt cttgctttnt aaaacaccaa gaaaagactc 360

cagaaccaaa ggagaaacaa taaccagagg tgcttctcat gtcatcaata caacctgtcc 420

agtcactatc agaatatcca tggagcttan attatgagaa agagagtaca tataccatag 480

tctaaa 486

<210> 6605
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6605

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gcttagctac acacccccta taatagctaa gctcacccat atgccaaaaa acatgaaaat 120

acaaaaaaag ttcctactac aaagactact caaaatgccc cgaaatacaa ggctaaaacc 180

ctatactact agaatgacca aaatacaagg cccaaacgaa ggaaaaacct attctaatat 240

ttacaaagat aagcgggttc atacttagcc catgggctca aaatctaccc taaggctcat 300

gagaacccta gggccttccc ttggatctct agcccaatct acttggagtc ttctatccaa 360

tgcccttacg gggtaggatn gcatctata 389

<210> 6606
<211> 383
<212> DNA
<213> Glycine max

<400> 6606

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aatctgcatc ttcacctatt actgttgcaa gagtctgtgg tctatgttct tctgctgatc 120

accatacaga tctctgtcct tctttgcagc aatctggagt caatgagcaa cctgaagcct 180

atgttgcaaa cattcataat agacctcctc agcagcaaaa ccaacaatag cagaataatt 240

atgatctttc aaacaacaga tacaatccag gttagaggaa tcatccaaat ctgagatggg 300

caaatcctcc acaacaacaa cagcagcaac aataacagcc tgtccctccc ttccagaatg 360

ctactggtcc aagcaagcca tat 383

<210> 6607
<211> 424
<212> DNA
<213> Glycine max

<400> 6607

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atgttgatga tcttttagaa actggagatg atgcaaggct agttgaggag ttcaagcaag 120

aaatgatgca agctattgaa atgactcatc ttggtctcat gacttatttt cttggaattg 180

agatcaagca aagttaaaac aaagtgttaa tctgtcaaag gaaatacaca aaagaaattt 240

tgaagaagtt tcaaatggag gaatgcaaat ctattagcac accaatgaat caaaaggaga 300

agttcaacaa ggaagatggt gctgataaaa ttgatgaagg atattatagg agtttgattg 360

aatgtctaat gtatctcact acaataaggt cagacattct atttgttgta agtctcttgt 420

ctcg 424

<210> 6608
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6608

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agaaattcac aacagaagct cttataaaaa tcaaacgacg atgactttnt acacggatgt 120

ccgattgggt cccataatat gtcgagacgc ttgaaattga aaacagaagc cttcaccata 180

ttcaaaagac aataactttt tactggaatg tccgagtgag ccccataata tatcgagacg 240

ctcgtcattg aaaacacatg ctcagaggaa cattcaacga caataacttt tgactcaaat 300

gtgcggttga gtcccgcact atatccagac gctcgtaatc gaagacagaa gctctgagga 360

aattcaaac 369

<210> 6609
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6609

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tactttacaa tattaatttt ataatgtaat ttggatacat attctttttt catgtgggtg 120

gttttgatgc cactatgcag gcatatactg aaacttccgg aaacctgaag ggcttaccac 180

aaggtataat acaagctact tcagatcttg agttaaggca tttatggtcg ccaagtaatt 240

tgaggtcaaa ggtcagcatc ttttgcaatt tatttatttt acattatata gttctattta 300

aatcgataga tgatgaccga atntgtaaac tacaagcggc acgtcatcaa tta 353

<210> 6610
<211> 359
<212> DNA
<213> Glycine max

<400> 6610

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actttcccca atcgatgccc ttatcgttta catttggact tctatgatac catgtctttg 120

taacaatcac aatccaacaa tgtctatgct tctgtataca caattgatac aaaatgggta 180

tcccccagat cattttactt tcccatttgc actcaaagca tgtttgtgcc attgctgatc 240

aacattgtgg aaaatgcatt cattgctgca tagtgaaatc tgggtttgaa gctgatgcct 300

atactgctac tgggttactg catatgtctg tgtcatgtgc acatctgaac tcacgactc 359

<210> 6611
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6611

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taaaggaatc ggtttgggag tgtggtatct tgaaaagtcc ctagccggat ggttataatc 120

tcaagtttat caaaaacttt tgagatttat tgaaggtgga tgtgaaacat gttttggatg 180

aattccattt acatggaatt attccaagag ggtccaattc ttcttttata tcccttatcc 240

ccaaggtgac caatcctctc aactcgggag agcttagacc aattntcttt ggtggattct 300

atgtataaaa t 311

<210> 6612
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6612

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ccttatgatt cccacatata atttaagtaa acatgcggaa gacaggatga acgcgtagct 120

attagcagtc acagactcag aatattgtaa aaaccttctt gataatagca ttgaaatgag 180

gataaaataa gtataaaagt gaagctcaca aaggaaaaat aagaattaac caaatatacc 240

tgaggatcaa gaggatcagc ctcgcgagaa acaaggtttt gtaagctaat aatcacatta 300

gtagctgcca tcacagggtc tatagaaagt tggggaagag ctgcatgacc tccctttcct 360

cttattattg cttcaaatac accacttcct gccgataatg gaccacacct agaggccact 420

ctcactactg gaatgtcagg cgtcacatg 449

<210> 6613
<211> 399

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6613

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ccaaaattga atcttggatt ctatctatga ttaaaccctg aaatggttaa aaatttaata 120

agattttata accataataa ttggtcacaa gattccaaat gatagaaact tcaaaattga 180

tatgagtaaa tgcatgtttg gtttgactct tcagaattga ttataattac ataattaatt 240

ttgaatatat tttaatatgt tttatttatc aagaagaatt cagaattgat tctaaattaa 300

aataactttg aatagttgtt acatttaatc caaaattcta tattgacatt tatttgtaac 360

ttgattctat ataaagtatc caaacataat atacataat 399

<210> 6614
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6614

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gtagaacaaa tcaacagtca tagaaacaca catgatgagt tggcattctg caaccacatc 120

ataacatgag atgagtcatg agttgcttct attggaatgt tcacaacaag aagagcatat 180

aatttgaggg acttgaagcc taagatngac cgaagaacga ttacattaat aatcacctta 240

tcatatgcca tgcgtgcatt tgggtcagag agaatggaat aagctttgtc gagtatgatg 300

gccatgtcat ggccagcagg gccagcaatg tcatggtggc agcgcttctg aagagagcga 360

tacgccactt tgacctgtga ctgatcac 388

<210> 6615
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6615

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tatatcacgg gtgatattaa ataaactgcc taattataaa ttatttcatg cattgggctg 120

ataatagcag taaaatattt atactcaaaa ccgaggcgtt caagttcaat gaagttaact 180

acttcagtac ttcatatatg ggacgcagta tatataaaat ggatacttag ccaaaaagat 240

taattagtct aaatatttta aacattttat atttaaaatg gatactttnt aattaacaat 300

atatatatac tcatttcttc ttttaaatgg atactttcta attntatttg attacactta 360

cttaacttct tttacagatt ttgaaaccag ctttcacaat aatagctgat cacgagatga 420

aatgccttnt gttattgatt cgtggcacac atagtac 457

<210> 6616
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6616

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acttcttctt caagatcccc atttaagaat gttgttttca catccatttg atgtaattct 120

agatcaaaat gagctactaa ggccatgatt atcctaaatg aatccttctt agagaaagga 180

gaaaaggttt catgataatg aataccccct tttgagtaaa gcctctggct acaagtctag 240

ctttatatct ttcaacatta cctcttgagt ctctcttggt tntaaaaacc catttacact 300

atagagactc cttttcataa ttctattacg tcccacactt ggattttagc catagattcc 360

atntcttcat tcatggcttc ataccataat ntagaatcat ctctactcat gacttgtgaa 420

aactttaatt gatca 435

<210> 6617
<211> 432
<212> DNA
<213> Glycine max

<400> 6617

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agtaatagct ttatgattta tcctttctct ctgttaacct taaaatatcc acgagaggac 120

atatctggct cagtatattt cttgaatttt cagtcctacg ttgcacaaga ggaacttttc 180

ttgtgaactt taactgtaaa agagaccctc acatactcag caaacatgag gctttcttct 240

aaaatgacca aagaagagat agacaaagtg gtggaagaaa ccatagtgga aatgggtctg 300

gaagattgtg cagatactac gattggaaat tggcattgta ggggtattag taatggtgaa 360

aagaaaagac tagcattggc cttgagattc tgacacaacc atatgtccta cttcttgatg 420

aacctactac tg 432

<210> 6618
<211> 408
<212> DNA
<213> Glycine max

<400> 6618

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atttgtgatt gtcaacagct tttatgaata agatatgata tgtgcttcat atgtcacata 120

tgatacatgt ccaatacaat gatacaattg ttctaaaaat atataagata tgatgcttgt 180

gaaactcata gaacatgatg aatatataat tgcaattcta caaatctaga ctaagaacat 240

attcttgaac attactaaag ttataaatca cttgctgtgg tctataaata agaatagtac 300

gaatcttgtt cctttattga aatcatctat aaagggcaca acttgccctt ttagttagtc 360

aagctactat gcttctataa tatagaacat agatactgtt atatctca 408

<210> 6619
<211> 323
<212> DNA
<213> Glycine max

<400> 6619

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agaaagttat tgatgtttga atgtgctggg agcttccatt tctttttttcg agcgtcttga 120

tatattaccg gactcaatcg gacatccgag taaaaagtta ttgtcatttg aattttcctg 180

ggtcttccat ttttaatttc gagcgtctcg atatattatg ggactaaatt ggatatccta 240

gtaaaaagtt attgtcgctt gaattttcta cgagcttccg attttaattt cgagcgtcat 300

gatatattac aggactcaat cgg 323

<210> 6620
<211> 381

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6620

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tccgattcgg ggaaataata tatcgagacg cacgacattg aacaacggaa gctctcgaga 120

aatttgaatg gtcataacat atcactccga tgttccagcc ggcgacataa attatcgaga 180

cgctcgatat cgaacaaccg aagctctcga caaatgataa tggccgtaac gtttcacgcg 240

aatgttctat tcggggacat aactcatcta gacgctccat attgaacaac ggaagctctc 300

gagaaatttg aatggtcata agaattcaca cggatgtccg attctggaac ataatatatc 360

cagacgatcg aaattgaaca a 381

<210> 6621
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6621

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aaatatcgag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacaataac 120

ttttttactc ggttgtctga ttgagtgccg taatatatcg agacgctcgg acttgaatgc 180

cgaagctctg agcaaattca aactacaata actctttact cagatgtctg attgagtccc 240

gtattatatc gagacgctcg gtattgaatg ctgaagcttt gagcaaattc aaacgacaat 300

aacttttttac tcggatgttt gatagagtcc cgtaatatat cgagacgctc gaactggaat 360

accgaagctc tg 372

<210> 6622
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6622

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ttggtgagtc ccccatacca ttgtcttgat gcttgtttaa gtccatagag agcttcttaa 120

gcttataccc atgagtagga gttttatgat cctcaaaact gggagattga gaaacataga 180

cttcctcttc aatgtattct tttagaaaag cactcttcac atccatttgg tacacgttaa 240

aatccataat acaatcaaat gcaagcaata atctcacaac ttctaatcta gctattggag 300

cataagtttc accaaagtct atgtgctctc gttggttata acctctggct actagcctag 360

atttattcct agatatcaag ccatgttcat ctagcatatt t 401

<210> 6623
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6623

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attgaatgtt gaagctctga gccaatataa acgacaatga ctttttactc ggatgtatga 120

ttgagtcccg taacatatcg agacactcga aattgaatgt tgaacctctg agcttattca 180

aacgacaata acttttttact ccgatgtctg attgagtccc gtaacttatc gagacgctcg 240

aaattgaacg ttgaagctct gagcccattc aaacgactat aacttttttac tcggatgtct 300

gatcgaggcc cgtaatatat cgagacgctc gaaattgaat gttgaacctc tgagccaatt 360

caaacgacaa taacgtgttt ctccgatgtc tg 392

<210> 6624
<211> 411
<212> DNA
<213> Glycine max

<400> 6624

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gaaaagttat tgtcgtttga attggctcag agcttcaaca ttcaatttcg agcgtctcga 120

tatattacgg gactcaatca gacatccgag gaaaaagtta ttgtcgtttg aattggctca 180

gagcttcaac attcaatttt tagcgtctcg atatgttacg ggactcaatc agacatccga 240

gacaaaagtt attgtcgttt gaattggctc agagcttcaa cattcaattt cgagcgtctc 300

gatatgttac gggactcaat cagacatccg agataaaagt tattgtcgtt tgaattagct 360

cagagggtca acattcaatt ccgagcgtct caatatatta cgggactcaa t 411

<210> 6625
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6625

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ttatatctgc ctcccttgtt gatgagcaag aggaggagct gttatctgtt ctcaagaagc 120

attagaaggc tataggctgg accctgatag acatttctgg tattagctca tccacatgta 180

tgcatcaaat aaatttagag gatggggcta aaccagtaag atagccacag agaagactca 240

acccacagat tcttgatgta gtgaagaagg aggtaaccaa gctnttgcaa gctggaatca 300

tttatcttat ctccgacagc caatgggtga gtcccgtcca ggtagtccc 349

<210> 6626
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6626

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cctatgccaa tgcggctggt tatttgatgt atgctatagt ctgcactaga ctatatttgg 120

cacatgttgt aagccaagtc tacaatttta tgtctaaccc acgatagcga cattgggaag 180

tagtgaagtg gatcttgagg taccgaaatg gtacaacaag tcatggtatt atgtctggta 240

gttagcaagg cgatccttta gttgcgagat atgtggattt tgactatgtt ggtgatctgg 300

atgacatgag gtctacaaca 320

<210> 6627
<211> 290
<212> DNA
<213> Glycine max

<400> 6627

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agtcccgaag aagactggcc tcacagtgat cagaaatgag aaggaggagc tgattcctac 120

tcgggtgcag aacagttgga aagtctgcat cgactataag aggctgaacc aggttaccaa 180

aaaggaccat tttcccctgc cattcattga ccagatgctt gaacgcctgg caggtaaatc 240

ccactactgt ttccttgatg gtttttctgg ttatatgcaa attactattg 290

<210> 6628
<211> 288
<212> DNA
<213> Glycine max

<400> 6628

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aagctctcga gaaattcgaa tggtcataac ttttcacacg gatgtccgat tcgggcgcat 120

aatatgtcga gacgctcgaa attgaacaac ggaagctctc gagaaattct aatggtcata 180

acttttcact cggaggaccg attcaggcgc ataatatatc gagacgctcg aaattgaaaa 240

acggaagctc ccgagaaatt caaatgggca taacttttaa ctcagagg 288

<210> 6629
<211> 275
<212> DNA
<213> Glycine max

<400> 6629

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tcccaaagta ccaaaatccc tgcggatata tgaagctcat gttggaatta gtggttctga 120

gccaaaaata tcctcattca atgatttcac agacaaggtt tccccctca tttctttggg 180

ttggaatttg taactaatca attatacata tcttccatgt ctatatattg taatgggctc 240

cattgaattt ttacttttat tatatgcaca atgca 275

<210> 6630
<211> 304
<212> DNA
<213> Glycine max

<400> 6630

taatactcaa gctttctatg gtttttgtg taggacaccc tcatggtggt taaagccccg 60

agaagacctc accttatgac ctgaagtggt acaacaaacc actgagaagc taaagttgat 120

ccaagaaagg atgaggacta cccagagtag gaagaaaagt tatcacgata agaggagaaa 180

agacttggaa ttcaaggttg gtgatcatgt attcttgaga gtcactccat ggactggggt 240

tggtcgagca ttgaaatcct gaaaactaac acctcgctct atcagtcttg tccaaattct 300

taaa 304

<210> 6631
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6631

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tttgtaagtt taaatatatg ggatcaatac tacaaaatga tgggaaaatt aatgaggatg 120

tcacacagag aatgcaagca agatggctga aatggagaaa tgcatcaagg ttatttgtga 180

ttgcaaagta cccaccaaac ttaaaggcta attttatcgt attgctatac atccactatg 240

ctctatggta gtgaatgtta ggctttaaag ggaca 275

<210> 6632
<211> 283
<212> DNA
<213> Glycine max

<400> 6632

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gttcgaagac aaccttcttt ctccctttgt tggcttgttt agcataactt ttatttttcc 120

tctcaatttg atctttgact ccctcatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttctttatg cttaaaaaca gaaacattat gcataggcaa aagattaagt ggagttagtg 240

ggttaaaacc acaaacaact tcaaaaggag aacaattagt ggt 283

<210> 6633
<211> 287
<212> DNA
<213> Glycine max

<400> 6633

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tatgaccttt caagcaatag atacaatcca ggttggagga atcatccaaa tctgagatgg 120

acaagttgat gtgatcctga ctaggagtgg atcgcttgat acaggctacg aagattttgg 180

atgatgccac ttccaatgaa ggaagataag tcagggtaga cgccacaagg attaccttga 240

taagtctgag attggttcaa caaggaaccc agagagaagc tctcacc 287

<210> 6634
<211> 277
<212> DNA
<213> Glycine max

<400> 6634

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cgtcaccttа ttcaactggc ggtagtctac acacaacctc atggtcctat ctttcttctt 120

tactaacaac actggtgctc ccattggaga tacactgggt ctcacaaact gcttctccaa 180

aaactcctct aacttttttct taagctcggc taactctata ggagacatcc tataaggggc 240

tatggatata ggtccagcac caggtaccag gtctatg 277

<210> 6635
<211> 274
<212> DNA
<213> Glycine max

<400> 6635

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gatggccttg attttctcag ggtccacttg gaccccattt ctaccaacta caaaacctaa 120

gaaaactata ttatctacac aaaaggtaca cttctctata tttgcataga gggtgttttt 180

cctaaggact gaaagaactt gtctgagatg tcctaagtga aaatctaggc tcctactata 240

cactaaaata tcatcaaaat aaacaactac aaat 274

<210> 6636
<211> 275
<212> DNA
<213> Glycine max

<400> 6636

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agccaaacta accgtttcac gcagggcaga tgggtttgaa gaacttaagg cagtttgaaa 120

gtgttcattg ggcacagcca tggaattcaa cacctcagca tcaattgttt catcctctaa 180

gtcaatcaca ttcattttct cccggataca ctgtagtgca gcctctgtgc aaagagcagc 240

aagatctgat ccaacataac catgagtatc tctgc 275

<210> 6637
<211> 289
<212> DNA
<213> Glycine max

<400> 6637

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gttgacttaa ttaacatcgg ttttttcaaa acccgatgtt aacatcgacc tcttaatatt 120

ggttttgaaa aattgatgtt accatcaagt acccaacatc ggttattgaa acaccgatgt 180

taactttaga aagttaacat cggtttttaa aaaaaccgat gttaacattg acatgttaac 240

attggttttg tttaagaaac cgattttgtc tcattcataa gttaaaacc 289

<210> 6638
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6638

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cctgtcggat acaatactgg aaggaattcc atgcaacctt actacttcct tgatgtacaa 120

ctccactagc ttctccattc tatacttcat attcaccgaa ataaaatgag cagatttggt 180

gagtcgatct attatgaccc acacaacatc atgtccacga ctagtcttgg gtaaactaga 240

tacaaaatcc atagatatgc tctcccattt ccattccgga atttc 285

<210> 6639
<211> 271
<212> DNA
<213> Glycine max

<400> 6639

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taaaaagtta ttgtcgtttg attttgctca gagcttttgt tctaaatttc gagcgcctcg 120

atatactgtg ggacacaatc ggacatccga gtaaaaagtt attgtcgttt gattttgctc 180

agagcttctg ttctgaattt cgggcgtctc gatatactac gggacacaat cggacatcag 240

agtaaaaagt tattgttgtt tgattttgct c 271

<210> 6640
<211> 275
<212> DNA
<213> Glycine max

<400> 6640

agcttgtatt ctggcagcag aaaaacaagt ggttgttaac taagaagaag gaaatggctt 60

cctcaatgat ctcctcccca gctgttacca ccgtcaaccg tgccggtgcc ggcatggttg 120

ctccattcac cggcctcaaa tccatggctg gcttccccac gaggaagacc aacaatgaca 180

ttacctccat tgctagcaac ggtggaagag tacaatgcat gcaggtaaga caactccaca 240

catatataca cacaagaggc accaaaaagt ttaaa 275

<210> 6641
<211> 274
<212> DNA
<213> Glycine max

<400> 6641

agcttgtgtg tttgtgacgc atgaacgaaa acacaattca tggggctccg aaaaagggtt 60

gaggatggag aattgcacta agcaatcact acgcatggct ccaagctcct gggtggagga 120

cgcatgaacg aaaacgcaac tcatggggct ccgaaatagg attgagaatg gagaattgca 180

ctaagcacat tacggcgcat ggctccaaac tcatgggtgg aggacgcatg aacgaaaacg 240

ccattcatgg ggctccgaaa aagggttgag gatg 274

<210> 6642
<211> 348
<212> DNA
<213> Glycine max

<400> 6642

tgttgagtat gcagtgaaaa atggccctga ctttgaagct atgatatgtg aaaaacaacg 60

ggataatcct tcctatagct tcctctttgg tggggaaggt catggttact accgttataa 120

gctttggtta tcaactcgtc ccccgggtgg tccattcaac ccgtcttttc catcatcttc 180

catgcccatg atgcttcctc caaatccaat gatgaatctg tctcctgtaa atgtttctcc 240

gatgaaccct gcacgaattg gttcttcacc ttcgatgcta ggtccacctc ctttccaaca 300

gttctatgat caacaacacc accatcaaca tcctcagtct tttggact 348

<210> 6643
<211> 266
<212> DNA
<213> Glycine max

<400> 6643

aatgagatgt tgaagatttg aaagtgttga tggcagctca ccctctattt tgttatgtct 60

taaatccaat tcgtgaaagt tgtttgattg aggaaagaca tttgggattt gaccactgag 120

gtggttagct tctagattca taaaagataa ccgcggaagg gttaatagtg aggatgggat 180

tgaaccgttg aggttgttaa ctgagaggtc cacgaaagtg agatgtatga tgttgaagaa 240

agaaggaggg attgaccctt ggaaac 266

<210> 6644
<211> 397
<212> DNA
<213> Glycine max

<400> 6644

ttgagaaaat tcatacgaca ataacttttt attcggatgt ctgattgagt cccgtaatat 60

atcgagtcgc tcgaaattga ataccgaagc gctgagcaaa ttcaaacgac aataactttt 120

tactcggatg tctgattgag tcccgtaata tatcgaaaag ctcgaaattg aatgttgaag 180

ctctaagcaa attcaaacga caaaaacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgaaac gctcgaatgt gaatgtagaa gctctgagca aattcaaaca acaataactt 300

tttactcgga tgtctgattg agtcccgtaa tatatcgaga tgctcgaaat ggaataccga 360

agctctgagc aaattcaaac gacaataact ttttact 397

<210> 6645
<211> 364
<212> DNA
<213> Glycine max

<400> 6645

tgcatcagca tatgaccttt atttaacatc ataatttcat aaaagaggaa taggtctata 60

tttttatctt aagcacttaa gtatgatctt aaacactttc cactgtgcct cactatggga 120

cgcttgatat cgactaatta cacctagtgc ataagcgaca tcaagacatg tacaagacat 180

ggcgtacatg atcgttccca ctacactagc atatggtacg ctactcatgc gagctctttc 240

ttcacgagtt gtaggacaat tctccctact aagagtagat tcaacaccta caggcaaata 300

gcctcacttg gaaatatcca tgttatatct ctttaagata gtatcaatgt acatagattg 360

ggag 364

<210> 6646
<211> 400
<212> DNA
<213> Glycine max

<400> 6646

tataatatat cgatacgctc aaaattaaac ttctgataac ttttcacacg gatgttcgat 60

tcgggcgcat aagatgtcga gaggctcgaa attgaaaaac cgaagctcat gagaatttca 120

aatggtcata acttttcaca cgaatgtccg attcaggctt ataatatatc gagatgctcg 180

aaattgaata acggaagctc ttgagaattt caaatggtca taacttgtca cactcaggtc 240

cgattcaggc ttataatata tcgagacgct caaaattaaa catcggaagc tctcgagaaa 300

ttcaatcggt cataatttt cacacggatc tccgattcgg gcgcataata tgtcgagacg 360

cgcgaaattg aacaacgaaa gctctcgtga aattcaaatg 400

<210> 6647
<211> 438
<212> DNA
<213> Glycine max

<400> 6647

tgagagcttc cgttgttcaa tttcgagtgc ctgtatattg atgcgcctga atcggacatc 60

cgagtgaaaa gttatgacca tttgaatttc tcgagagctt cctatgttta attttgagcg 120

tctcgatata ttatacgcct gaatcgaacc tcagtgtaaa aagttatgac catttgaatt 180

tctttagagc atccgttgtt cattttcgag cgtctctata tgtgatgaac cttaatcgga 240

cctccgcgtg aaaagttatg accatttgaa tttctcgaga gcttccgttg ttcaatttcg 300

agcgtctgga catattatgc gcccgaatcg gacatccgtg ggaaaagcta tgaccatttg 360

aatctctcga gagcttccgg tgttcaattt cgagcgtctc gacatattat gcgcccgaat 420

cggacatcca tgggaaaa 438

<210> 6648
<211> 409
<212> DNA
<213> Glycine max

<400> 6648

tctcgatata ttatgctcct gaatcggact ttcgtgtgaa atgttatgac cattggaatt 60

tctcgagagc ttccgatgtt ctatttcgag cctctcgata tattatgctc ctgaatcgga 120

cttccgtgtg acaagttatg accatttgaa ttgctcgaca ccatacgttg ttcaattacg 180

agcgtctcga tatattatgc gcctgaatcg gacgtccgtg tgataagtta tgaccatttg 240

agtttctcga gagcttccgt tgttcaattt caagcttctc gatatattat gctcctgaat 300

cggacatccg tgtgagaagt tatgaccatt ggaatttctc gagagctttc gatgttctat 360

atcgagcgtc tctatatatt atacacctga attagacttc cgtgtgaca 409

<210> 6649
<211> 416
<212> DNA
<213> Glycine max

<400> 6649

tgtgctattc caagttcaat taccatacct ttgtgttcga caagtggcct cagatatctt 60

aagaaggggg gttgaattaa gatattccaa actacttccc caattaaaaa tctatttcac 120

tttttattca agttataaat tcccttaaca atgaacttct taaatattga ttcaaataaa 180

acaatttgaa tatgaatata aagcaataat aaacaaagga gattaaggga agagaaagtg 240

caaactcaga tttatactgg ttcggccaca cccttgtgcc tacgtccagt ccccaagcaa 300

cccgcttgcg agttccacta tcttgtaaat tccttttaca agttctaaac acacaaggac 360

aatccttcct ttgtgtttag aattccttta caacaagaga cccacggtct cttaat 416

<210> 6650
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6650

tctaaactnt gtacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60

tcttaagaag ggggggttga attaagatat tccaaactgt ttcccctaat taaaaatcta 120

tttcactttt tactcaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180

aatgaagcaa cttgaatatg aatataaagc aataataaat aaaggagatt aagggaagag 240

aaaatgcaaa ctcagtttta tactggttcg gccacaccct tgtgcctacg tccagtcccc 300

aagcaacccg cttgagagtt ccactatctt gtaaattcct tttacaagtt ctaaacacac 360

aaggacaatc cttcctttgt gtttagagat cctttacaac aagagactca cagtctctt 419

<210> 6651
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6651

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ctgtctacaa aggaactctt gagttagaag acaaagttgt tgcaataaag gtcctaaacc 120

ttcaaaaaaa aggagcacgc aagagtttca ttgctgaatg caatgccctt aaaagtatta 180

aacatcgaaa tctggttcag attttaacgt gttgctccag cacagattac aaaggccaag 240

aatttaaagc tttgatattt gagtacctga aaaatgggag cctagaacag tggctgcatc 300

caaggacatt aactcctgaa aagccaggaa cattgaacct tgaccaaaga ttaaatatca 360

tgattgatgt tgcntttgca atacattatc ttcatcatga atg 403

<210> 6652
<211> 327

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6652

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cattggagct tgtaggccta ggatcttctt catcaatgga ttcctttgct tctctaaaga 120

tgaatggcag tggaatggag aaggaagaga gagaggagac gccacttcaa ggagaagatg 180

agtctagaag aagcttacca ccataggagg ccatggataa gagcttggag gaagaaggag 240

atgaatgaag ggagagcaag agaagagcac gaaattttgt gcacacacat gacctctatt 300

tatagcctaa gtgtcacaca aaattgg 327

<210> 6653
<211> 386
<212> DNA
<213> Glycine max

<400> 6653

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gaatcagcca ttccaaacct cacaagtatc ttctgaatgt agtccttttg agacaaaaat 120

agccttttct gagttctgtc cctatagatc accattccta agattttctt tgcagccgct 180

agatctttca tatcaaattc accactcaag aggatcttca gattttgtat atcacacatg 240

ctttttgcta caataagcat gtcatctaca tagagtagaa gatagatcat tgatccatcc 300

tccaccttgt tgtgataaac acaacagtca tagaaacttc tcttgaatcc ttggctggtg 360

ataaagctgt caaacctcat gtacca 386

<210> 6654
<211> 394
<212> DNA
<213> Glycine max

<400> 6654

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atcgagacga tcgaaattga atgttgaatc tctgagcaaa ttcaaacgac aatagctttt 120

tactcggacg tctgattgag tcccgtaaca tatcgagacg ctcgaaattg aatgttgaac 180

ctctgagaca attcaaacga caataacttt ttactcggat gtctgattga ttcccgtaat 240

atatcgagac cctcgaaatt gaatgttgaa gccctgagcc aattcaaatg acaataaatt 300

tttactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgttga 360

acctctgagc caattcaaac gacaataact tttt 394

<210> 6655
<211> 414
<212> DNA
<213> Glycine max

<400> 6655

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cttcttatct aaccttggaa aggctccaca aagagaaagc taatattaga aagatgttta 120

tttctgatga atggatctta aacaagttat ctaaggagcc taaggggaaa gaagctgcaa 180

aggtagtgct catgccttct ttttggaata gtgtggttta cactcttaaa gtcatggctc 240

cacttgtcaa agtgcttcgt cttgtggatg gtgaaaggaa accagccatg ggctatattt 300

atgaagcaat ggacaaggca aaagaaacaa ttatcaagtc tttcaacaac aacgaaagca 360

agtacaaaga tgtgtttgca atcattgata aaagatgaaa ttgtcaactt cata 414

<210> 6656
<211> 417
<212> DNA
<213> Glycine max

<400> 6656

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cattctctca aagatttatg caataacatg gcttttgtat ctatgattga acctcaaaat 120

ttaaatgaag ccataataga tgaaaattgg ataatagcta tgcaggaaga actaaaccaa 180

tttgaaagaa ataatgttcg ggagttagtt gagaaacctt aaaactaccc aatcattggg 240

acaaaatggg tgtttagaaa taaattagat gaaaatggca tagttataag gaataaggcg 300

agattagtag ccaaaggata taatcaagaa gagggaatag attatgagga gacatacact 360

tcagttgcta gattagaagt catcagaatg ctattagctt atgcatccat aatgaat 417

<210> 6657

<211> 380
<212> DNA
<213> Glycine max

<400> 6657

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cattgggaga tataatgaca aggtgctgtg tgatgtggtc ccaatggaag cgacccatgt 120

gctgttagga agatcgtggc agtatgatac caaggcagtg catgatggct tcaccaacaa 180

catctctttc aagcaagctg acaagaagat tgttctcaaa ccgttatctc ctcaagaggt 240

ttgtgaggat cagataaaaa tgagagaaaa gaaaaagagt gagacacttg agaggaaaaa 300

gagtgagaca cttgagaagg aaaagtgagg aaagaaaaag atgaaacatt gagaggaaaa 360

gaagaaaaca atgagtgaaa 380

<210> 6658
<211> 336
<212> DNA
<213> Glycine max

<400> 6658

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aagctattgt cgtttgactt ttcttacagc tttcgttatc gatttcgagc gtctcgatat 120

attatagggc tcaatcggac atccgagtta aaagatattg tcggttgact attgttatag 180

attccgttat caatttcgag agtcgtcata tattacaggg ctcaatcgaa catccgagta 240

aaaagttatt gtcgttagat ctttctcaga gcttccgttt tcaattacga gcgtctcgat 300

attcgacgcg acacaatcgg acattcgagt caaaag 336

<210> 6659
<211> 417
<212> DNA
<213> Glycine max

<400> 6659

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agtttcttcg cctgtggttt cgaaattgat acaggctttt gaatcaaaag tacaagaaga 120

tgagcatgag acagaaagta gggattccag tgatgttctg tcatcatcaa actcatttat 180

tatgttaact aaagagcaaa ttggagattt gaaaaaattg ctttcaaagt ggaagctgaa 240

tgttcagatt gcaggtacat tattcaatgg ggagcgagat gatcggaaaa ctggtgatgc 300

aaagtacagt gatctcaagg accagtttga acaattgaag caacattgct cagatttgga 360

agcatccaac attgaacttg cagttcaata tgaaactgca aagcaacttc tgggtga 417

<210> 6660
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6660

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atgtcttcct ctanatcccc atgcaagaat gcagttntaa catctaactg ctccaagtga 120

agattctcta cagctactat actcagaata aatctgatgg tagtcatctt tacaactgga 180

gagaagatct ttgtgaaatc aattccttgt ttctactgaa acccctttcac cacaagtctc 240

gccttgtatc ttcttctacc ttcagattct ttctttagcc tatagaccca cctattctgt 300

aacgctttct ttccttctag caatttagtt aaagaccacg tcgtattctt ctgaagggat 360

gtcatctcat ttttcatcgc tagctcccac tcaatagtgt cattcccctg tgtagcatca 420

ctgaaacatt ctg 433

<210> 6661
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6661

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ttaatttatg gtttagtgtt aaattaattt tggtaaatta ttattttgtg ttttagaata 120

atagtgttta gttattatta atttacagtt taggtagata aattattata catgataaat 180

taattttctt aaattattat tttatgtttt agaacaatag tgtttagtta ttattaattt 240

accgcttagt tagataaatt attatacatg gaaaattaat ttttttatta aattattatt 300

ttatgtttta gaataatagt gcttagttat tattaattta cgaattagtt acataaatta 360

ttatacatgt taaattaat 379

<210> 6662
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6662

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ttgttcaatt tcgagcatct cgatatatta taagcctgaa tcggacattc gtgtgaaaag 120

ttatgaccat ttgaatttct caagaggttc cgttgttcaa tttcgagcct ctcgacatct 180

tatacgcccg aatcgaacat ccgtgtgaaa agnnatgacc atntgaattt gcaagagtct 240

ccgaggtcta atttcgagcg tatcgatata ttataagcct gaaacggaca ttcgtataaa 300

aagttatgac catttgaatt tctcaagagc ttgccgtgat caatgtcgag cctctcgaca 360

tattatgcgc ccgaatcgga catccgggtg aatagttatg accatttgaa tttcgcgaga 420

gtttccgat 429

<210> 6663
<211> 397
<212> DNA
<213> Glycine max

<400> 6663

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acttacaggg caatctttct actgtttttt ggatggatac tcgggttata atcagattgc 120

agtagatccc caagaccaat aaaagataac tttcacatgt cacttcagtg tcttttctta 180

tcgccgcatg ccattcggtt tatgtaatgc ccctactact atccaaagat gtatgatggc 240

tatctttgct gacatggtag agaaaggcat tgaagtcttt atggatgatt tttcagtctt 300

tggtgcatct tttgagaatt gtttagcaaa tctagagaag gtgttacagc ggtgtgaaga 360

atccaatctg gtacttaacg gggagaaatg tcatttt 397

<210> 6664
<211> 431
<212> DNA
<213> Glycine max

<400> 6664

agcttgagac tgggcaatga atagaaatca tcacttccat tgatgccttt aagtaagact 60

tcattggttg cctgtgattt gacaatgcac aagtgaggat agaactcaaa ataaacttca 120

ttatctttag caaacttact gacacaatag atttttagtg attgaaaaaa catgtaacaa 180

attatgaaga taaagaggaa aattaggatt ggtaggagac ttaaaagaag aaaaaccaaa 240

accaagaatt ttcaaacctt caatcaaagt gaccaagctg atgagtattt tgtgtttctc 300

cagtcacatg gaatgaagct cccgagtcaa ggatccaagt tgagttagta ttttcctggg 360

aagatgaatt agctagcatg gcactcagaa taacttcaat gggagttgac tgattctgac 420

ttttagtatt t 431

<210> 6665
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6665

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tgtaactgca atcattcatc aaattgaatg ataaaagcta aaaacaaatt tgcataaacc 120

aggattataa aatgaaattt ggcattaaac ctatnntaaa ataaatgaaa gtccaaatca 180

gaacataaca attatgcaaa tcggagccaa gttaatctta gcgaatactc acctccatcc 240

gataaccagc ccttgatgca cacatagcat ggaaataagt ggaacacttg caacattgtg 300

tgcacgaacc atgaatttct tacaaaaaca caaatctgaa atc 343

<210> 6666
<211> 387
<212> DNA
<213> Glycine max

<400> 6666

agctttgcat accccaagga accatcagga aattacttgt gaaggagagc catgagggtg 60

ggctcatggg ccactttggg atagacaaga ccctagtctt actcaaagaa aagttctatt 120

ggccccatat gaagaaagat gtccataaac attgcactag gtgtgtggct tgtttacaag 180

ccaagtctag ggtgatgcct catgggctat acacaccctt acccattcca tctgcacctt 240

gggtagacat tagtatggac tttgtccttg ggctccctag aacccaaaga gttgtagact 300

ctatctttgt agtggtggat aggtttagca agatggcaca ctttatacca tgccacaagg 360

tggatgatgc ttcccatatc ttaaaac 387

<210> 6667
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6667

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atgagtttat gagcaactca agattcaaca gatgtgacat gggccattgc tgctatgtta 120

agaaatatac taatagttat gttgtccttg tcatgtatgt tgatgacatg ttgattgcag 180

gatctagtat ggcagaaatt aacaagttga ancancagng ggcagaaaac tttgaaatga 240

aggatcttgg tccagctaaa caaatccttg gtatgagaat tcttagaaac agatcagaag 300

gaattttgaa gctgtctcat gagaaatata tacacaagtt gcttgacatg ttttaccttg 360

aagattctaa gaccaggaat acccctntag gatctcattt gaagttttca aagaagcaat 420

ctttg 425

<210> 6668
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6668

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acgtaatcta aatataagtt acattatcat taaagaaaaa aaaatacttt tgaaaatttt 120

aagattggca taaattaaag gttaaattag tctgtaggat ctcatattat tacaaatttt 180

tttaattaga tccttatatt ttattnttct tttaatgggt cctatattaa ttttaaattt 240

gtaacctacg ttaatttatc atgaggaatc tgttagactt aatgaaatat ttcatcatat 300

atacacatat agatgcgaac cctaaaccaa tacacttgaa ttgattataa atgtgtgaac 360

cttaaactac gaattgttac atacgtgatt aaggaagtgc gaacaacatt acaaacaaaa 420

taaggattaa tcacgcatta tg 442

<210> 6669
<211> 387
<212> DNA
<213> Glycine max

<400> 6669

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ctgctttggc caggaagaaa attgatgtgc aggcgaaagt tagaaaccct ctctgcgtta 120

agaaaacgct tagagtttat gtttataaca ctttttcaaa tcaagtgaaa gtggagactg 180

ggaagaatgg tgtggaggag ccttcttggg ctctgaggat aactggaagg gtgttggaag 240

atggtaatgg aaaggattct gtggcggaag gaatcttgac gaatgaatat ccaaaattct 300

cggctttctt taagaagatt accatatact tggatcaggg cttgtaccag gataaccatg 360

ttgttgtgtg ggatagtgct cattcgg 387

<210> 6670
<211> 388
<212> DNA
<213> Glycine max

<400> 6670

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atcttattct tttcttgctc gctctctttt tgctcctttt tttccatgag atattttgct 120

acctaaacat acgtatattt ttgtgaggta ttttgctata tacatgcgtg tccaaggtat 180

cttgctacct aaacatacat atatatgttt tgtgagatat ttttgctata tacatgcata 240

tccaaggtat cttgctacct aaacatacat atatatattt tgtgaagtat ttttcctaca 300

tacatgcata tccaaggtat ctttctacct aaacatacat atatattttg tgaggtatga 360

ctaccttccg agcttgtgct tgttttat 388

<210> 6671
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6671

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agaagaatgt ggcatttacc tgnggtgaaa tacaagagca agccttttct ttgcttaaag 120

aaaagcttac taaggcacct attctagctc ttcctaacta ttctaaaact tttgagctag 180

aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240

cctattttag tgaaaaactt catagtgcca ccctcaacta ccccacctat gataaagagc 300

tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360

tcattcatag tgatcatcaa tcacttaagt aca 393

<210> 6672
<211> 429
<212> DNA
<213> Glycine max

<400> 6672

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aagtcaaaat gagctactaa tgccataatt actcggaaag aatctttctt agatacagga 180

gaaaaagtct atgtgtaatt aattccttct ctttgagtga acccttggc aacaagtctt 240

gccttatatc tttcaatgtt gccttatgag tctttcttgg ttttaaaaac tcatctacat 300

tcaatggctt ttacactact aggcaactat acgagatccc atacttggtt aaatgccata 360

gaatccatct catctttcat ggcattgtgc cacaagtttg attctttaga actcatggcc 420

tgtgaaaac 429

<210> 6673
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<212> DNA
<213> Glycine max

<400> 6673

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tcataagttg aatagttaag ggtaggacca cttaatcttt tactaaaata agcaattgga 180

tggccttctt gcaacaacac aaccccaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt atgggggcat tagttagctt ttgcttaaga 300

acattgaaag cttcttcttg tttctctccg catttgagac caacattttt cttgagcact 360

ttattgagag gtgctgccaa tgtgctaaaa cccttcacaa attggccata aa 412

<210> 6674
<211> 405
<212> DNA
<213> Glycine max

<400> 6674

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taaagcttta ctgaagaaag caataggtcg tctctgctgc attagaacag cacctatacc 180

tctgccagcc gcatcacact caacttcaaa aggtaaatca aaatttggaa gaattagcac 240

agggggggaa gtcatgatcc ccttcatctc ctcaaaggcc ttgacagcct ctattcccca 300

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gataaacttt ctataatacc ctgcgagact caaaaaacca cgtac 405

<210> 6675
<211> 406
<212> DNA
<213> Glycine max

<400> 6675

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aatttctagt agaacattct tgattgatct gatttgtttg cctttgatcc aaattgatgt 180

tattttgggt atggactggt tatcttccaa ccatgtcttg taaaactatt ttgataaaac 240

tgtggtgttt gatgattttg gagtgagtaa ggataggata tttatatcta ccaaccaagt 300

tgtgatatct ttaaaagaag atgcttaagt gcacatgatc ttgtttaact ttgaagtaga 360

gacaaatgtt tccatgggtg acctccctgt tgttagagtg tttcct 406

<210> 6676
<211> 406
<212> DNA
<213> Glycine max

<400> 6676

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ctctcaattt gatctttgac tctctcatga agcttcttca catagtccgc ctttgcttga 180

ccttctttat gattaaaaac agaaacatta ggcataggca aaagatcaag aggagttagt 240

ggattaaaac cataaaatac ttcaaaagga gaacaattag tggtgccatg aatagctcta 300

ttgtaagcaa attcaacatg gggtaaacaa gcttcccaag tttttaagtt attcctcaaa 360

actgtcctaa acaaagttcc caaagtccta ttaacaactt ccgttt 406

<210> 6677
<211> 410
<212> DNA
<213> Glycine max

<400> 6677

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ttcaaagaaa agctcaagtg gatcctcgtg tacaaagtct tctttatata tctttaaatg 120

acaaggtaat aataggatct aaaatgtaag gatccaaatc catatttatc atagattaca 180

ttattacaat atacttctat ctaatattga aaaaaaattg atacgtgtgt gcgcacatat 240

atgtatatat gtacgtatgc ctcatattaa aaaagtcaac ttttgaatgt attatgatat 300

cataattgaa ttcagaagta gaatttaact gtccaggtgg acaaatcatc tagaaaaatg 360

tgacatacat ggtgttaaca aacgatgcaa aatataacaa aagtatacat 410

<210> 6678
<211> 390
<212> DNA
<213> Glycine max

<400> 6678

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agataataac tggttaggaa atagttaatc acattaaagg ggaagaggaa atatatcttg 120

ttgcgtgagt ttatacataa aaagtgtttt agttattagt ttaatttact aatctatgag 180

aaataaagtg gaggtggtgg atgattatgt attgtgttgt taatggtact ggaataatta 240

gttatagaaa tatgggtgtt ctgctaattg gtttttgttt tttgtctttg tacgtttcaa 300

atttgtctga aataacatta attttaagta acgaataata atatatatta caaaatttag 360

ttatgcaata tttcacaagt attaggtgaa 390

<210> 6679
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6679

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aggcaataga tctaaatatt tgggaagcca tagaaatagg gccttatata cccaccacag 180

tagaaagagt tacaatagat ggtagttcat caagtgaaag cataactata gaaaaaccta 240

aagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300

taataacatc tgccctgnga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360

aggaaatgtg ggacac 376

<210> 6680
<211> 406
<212> DNA
<213> Glycine max

<400> 6680

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ccatttctag tttatccttt cccatatcca ccacacaacc ggcggttaac ataaagggat 180

ggcccaaaat caaggggatt ttagcgtcct cttcaatatc catcacaaca aaatctgcag 240

ggaaactaaa ctgcttcacc ttaaccagaa catcttcaat tatgctataa ggtcttgtaa 300

tagaccgatc tacaagttgt agtgtcattc tagttggcat aatctccaac tctctaattc 360

tcctacacat ggagagaggc atcaaattta tactggcccc caaatc 406

<210> 6681
<211> 409
<212> DNA
<213> Glycine max

<400> 6681

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tcctagcctc ggcaggagtc atatcactga gagctccacc actggcagca tcaatcatac 180

tcctctccat gttgctaagt tcctcataga aatattgaag aaggagttgc tctggaaact 240

ggtggtgagg acagcttgca cacaatttct tgaatctttc ccaatactca tacaagctct 300

ctccactaag ttgcctgatg ccttaaatgt ctttttttgat ggcagtggtc ctagatgcgg 360

ggaagaattt ctccaagaac accctcttaa ggtcatccca gctgaaaat 409

<210> 6682
<211> 382
<212> DNA
<213> Glycine max

<400> 6682

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atttctagta gaacattctt gattgatctg atttgtttgc ctttgatcca aattgatgtt 180

attttgggta tggactggtt atcttccaac catgtcttgt aaaactattt tgataaaact 240

gtggtgtttg atgattttgg agtgagtaag gataggatat ttatatctac caaccaagtt 300

gtgatatctt taaaagaaga tgcttaagtg cacatgatct tgtttaactt tgaagtagag 360

acaaatgttt ccatgggtga cc 382

<210> 6683
<211> 394
<212> DNA
<213> Glycine max

<400> 6683

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tgtggattca gtcacaaaac aaacttgaat atgttggact atctaacacg gggattttcg 180

attctatttc cacacagatg tgggaagcac tttcttaggt tttgtattta aacctctctc 240

gtaatcatat ccatggtgag attgggacta cattaaagaa tccaatatct atcccaacta 300

ttgatctaag ctcaaatcac ttgtgtggta aattacccta tctttcaagt aatgtgcttc 360

agttggatct ttcaagcaat tcattctccg aatc 394

<210> 6684
<211> 339
<212> DNA
<213> Glycine max

<400> 6684

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aatgaggtct ttgttgagct gtgtgcattg cccaaactt 339

<210> 6685
<211> 364
<212> DNA
<213> Glycine max

<400> 6685

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gtgaagaaga atgtggcatt tacctgcggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactagggc acctgttcta gctcttcctg acttttctaa aactattgag 180

ctagaatgtg atgcctctgg agtgggagtt agagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatagt gccaccctca actaccccac ctatgataaa 300

gagctctatg ccttaataag agccctccaa acttgggaac attaccttgt ttccaagaga 360

ttgt 364

<210> 6686
<211> 375
<212> DNA
<213> Glycine max

<400> 6686

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gtcaagcacg actttctttc tgcttttgtt ggcttgcctt gcatagctca catttttctt 120

ttcaatttga gccttcactt gctcatgcag cttcttcaca tacttagctt tagcctgtgc 180

gtccttatgc ttaaacatag caatgtgtgg cataggccac aaatcaagag gagtcaaagg 240

attaaatcca tacactatct caaatggtga acaattagtt gtgctatgga caacccgatt 300

ataagcaaac tcaacatgag gcaaacatgc ttcccaagat ttttctttaa aacagtccta 360

agcagtgtgc ctaaa 375

<210> 6687
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6687

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aatttatttt cccttaaatt cgctcagagt ttcatttttc tattatgagc gncncgatgt 120

attaggggtc tcaatcggac atccgagtta aaaattattg tcgtttgatt tttctcaaag 180

ctttcgtttt caattacgag cgtctcgaaa tcctacggga cacaattgga catccgagtg 240

aaaagttatt gtcgtttgaa tttgtttaga gcttatgttt tcaattacga gcgttttgat 300

atcccacggg acacaatcgg aaatccgagt taaaagttat tgtcgctaga attttgtcat 360

agcttccgtt atcaattatc agcgtctcga t 391

<210> 6688
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6688

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atatatcgag atactagaaa ttcagaacag aagctattag aataatcaaa cgacgatgac 120

tttttacacg gatgntccga tgggtcccat aatatgtcta gacgcttgaa attgaaaaca 180

gaagctttca gcatattcaa aagacaataa ctttctactc gaatgttcga gtgagtccca 240

taatatatcg agacgctcgt aattgaaaac agaagctcag aggaaattca aacgacaata 300

acttttgact caaatgtccg cttgagtccc gcactatatc gagacgctcg taattganaa 360

cagaagctct gaggaaattc aaacgacagt aacttttac tctgatgacc gattgagtcc 420

cataatat 428

<210> 6689
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6689

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aataagtgat ttgactcatt aataaataaa aaactcgaca attgatattt gaatgtattc 180

ataattctgg taactcgtta tgcatgtgca cataatataa atctattaaa aggagttgaa 240

gccaaaggat tcatanatat ctttttattn ttaacataaa gaagaacatt acgattctct 300

ataaccaaat aaaagcattc aagattatag attataacat atcctacgga ttggtattta 360

taaaaatact tatcatgacc agaaaagcaa gaatatgcaa tatccgaata tctactactt 420

gattaagtt 429

<210> 6690
<211> 438
<212> DNA
<213> Glycine max

<400> 6690

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tgtgttaact tctaatgtgt gtttgagttc tcttgtggat acttctggta ggacatttgt 240

ggttgatctg atttgtttgc ccttgagcca aattgatgtt attctgggaa tggactagtt 300

atcttccaac catgtcttgt agaactgctt tgataaaact gcggtgttct atggttctgg 360

agtgagtgat gatatgatgt tcatctttac caaccaagct gtgacatctt taaaagaaga 420

tgctcaagtg tacatgat 438

<210> 6691
<211> 406
<212> DNA
<213> Glycine max

<400> 6691

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aaagaacctc gtatcccttc ttcttcaact tctctaagaa tgtagagttc tcaacagcct 120

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cctcatagaa cttgttgtaa tcctccttgt tctctgcaat ttcaaagaag agctcaaggc 360

acttcttaac caagttcttt ctgatgacct tcaagatctt gttctg 406

<210> 6692
<211> 388
<212> DNA
<213> Glycine max

<400> 6692

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tctatttcac tttctatcca agttataaat tcccttaata atgaatttct taaatattga 180

ttcaaataga acaatttgaa tatgaatata atacaataat aaataaagga gtttaaggga 240

agagaaaatg caaactcaga tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300

ccccaagcaa cccgcttgag agttccacta tcttgtaaat tccttttaca agttctaaac 360

acacaaggac aacccttcct ttgtgttt 388

<210> 6693
<211> 427
<212> DNA
<213> Glycine max

<400> 6693

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gctgggggca agtaaatttt cttcccatca gaccttggat gcaattgtga tcgtataccc 180

atattagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240

agcgtcccaa tcacactatc acataaattt ttctccacat gcataacatc aatacaatgt 300

ctaacgttaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatatg 360

caactctgac ttttatcctt cttttgggtc ttcccaaata cagtattcag gtgttcaacc 420

cgctgat 427

<210> 6694
<211> 391
<212> DNA
<213> Glycine max

<400> 6694

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gacgcttgaa attgaatacc gaatttctga gcaaattcaa acgacaataa ctttttactc 120

ggatgtcgga ttgagtcacg taatatgtca agacgctcga aatagaatac cgaagctctg 180

agcaaattca aacgacaata cctattgact cggatgtcgg attgagtcac gtaatatctc 240

gagacgctcg aaattgaata ccgaagctct gagcgaattc aaacgacaat aactttgtac 300

tcggatgtgc gattgagtcc cataatatga cgagacactc ggaattgaat accgaagtta 360

tgagcaaatt caaacgacaa taaattttta c 391

<210> 6695
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6695

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tatattacgg gactcaatca gaaatccgag taaaaattta ttgtcgtttg aagttgctct 180

gagcttcaac attcaatttc gagcgtcttg atagattaca ctgactcaat ccgacatccg 240

agtcaaaagt tattgtcgtt cgacttggct cagaacttta acattcaatt tcaagcgtct 300

ttatatattg ctgggactca atcatacatc cgagtaaaaa gttattgccg taaacttttc 360

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<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6696

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attaaaaaag aagtatggtt acaaactatg agagaagagt tgaaagccat agagaggaac 180

aagacatggg agctggctag tctaccaaat ggcaaaacaa ctataaaggt caaatgggtt 240

ttcaagaaca agctcaaacc agatgggagt attgctaaac acaaagccag gctagtggca 300

aagggcttta tgcagaaaga aggctatgat tacaaagaag tctttgcacc aatggctagg 360

tttgagacta tgaggttgat agatgctttg gcaagttgga aagggtggaa actatggtaa 420

atggatgtaa agtct 435

<210> 6697
<211> 438
<212> DNA
<213> Glycine max

<400> 6697

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ggaatctgtg ccctttcttc tgcctacaat ttgtctaaaa gtttgtaaaa gtgtgtgtca 120

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ttgcgcttag cgccacccta tctgatgcaa gctccattag agcttgtagg cctaggatct 240

tcttcatcaa tggattcctt tgcttcttgg aagatgaatg gcagcggaat gaagaaagga 300

agagagagag gagacgccac ttcaaggaga agatgagtct ataagaagct caccaccata 360

ggaggccatg gataacagct tggaggaaga aggagatgaa tgaatggaga gggagagaag 420

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<211> 438
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<213> Glycine max

<223> unsure at all n locations
<400> 6698

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gctcaaaatt tttcagaaca aaaaggtttt atcctctcaa aaagcaaaat cttcttatcc 180

tcttaagatt ccttggccaa tacacttgca attcaataag gatttatttg agtgctcaaa 240

ttgttcaatc tatctctttc aagagagatt tcttcttctc ttcactctaa ttctcaaaaa 300

gggattaaga gaccgagggt ctcttgttgt aaagaaatct gaacacaaag gaaggattgt 360

ccttgtgtgg ttcagaactt gtaaagggat tctacaagat agtggaactc tcaagcgggt 420

tgcttgtgga ctggacgt 438

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<212> DNA
<213> Glycine max

<400> 6699

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aattagtggt gctatgaaca gctctattgt aagcaaattc aacatggggt aaacaagctt 180

cccaagtttt taagttattc ctcaaaactg tcctaagcaa agttccaaaa gtcctattaa 240

caacttccgt ttgcccatcg gtttgtgggt gacaagtggt tgaaaataac aatttagtgc 300

ccaacttgct ccacaaagtc ctccaaaaat gcaaatcatc aagcctaggt ataggatgcc 360

tatatttaat ggtgatgtta ttaagggctc tacaatcaga acacatg 407

<210> 6700
<211> 394
<212> DNA
<213> Glycine max

<400> 6700

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tggctatccc aactgcaatc tcataaagct tttcatatcc taaggtcttc ttttcatgga 180

acaaatacct gtcaagagag ccattctcca tgtactcata aaccagtgct cttagatctc 240

tttcgaagca aaatccaatc aactgaacta gattgaaatg atgaactttt ccaattgtac 300

ccacttctgc cataaattgt tcctcaattc tcttatctga gttaccacgt agaaccttca 360

cagccacagt gattccatca ctcaaatttc cttt 394

<210> 6701
<211> 302
<212> DNA
<213> Glycine max

<400> 6701

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agcagttttc acattcatct gatggaactc ttaatcaata aagggtactg gtgtgcatgt 180

aatcctcaaa gaatcctttt ggagatcggg gaaatgtctc tttataatca atgtcatctt 240

tctgagtaaa tcccttaaca aagccttgtt acgttcaaag ttgtcatgag agtcacgttt 300

ag 302

<210> 6702
<211> 311
<212> DNA
<213> Glycine max

<400> 6702

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aaactccttg aactacttga cattgattta tttggtccct ctagaactat gagtttaggt 120

ggaaattact atggcttggt aagtgttgat gattactcaa ggtttacttg gaccttgttt 180

ttgaaaacca aaaataaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat 240

gaaaaaggtc caaacatttt tcaattagaa gtgatcatgg aggtgaattt caaaatgagt 300

cttttgaaac t 311

<210> 6703
<211> 442
<212> DNA
<213> Glycine max

<400> 6703

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agctcaaaag gggatgtcca atcaggtgcc tgaataatag gggtggtagt caccgcacgc 120

ttgaggcaat caaaagcctc tttgcatcgg tcatcaaaat aaaactccaa gtccttttgc 180

agcaaattgg atagtggaag ggccactttg ctaaaatcct tgataaagcg cctataaaac 240

cctgcatgac caagaaaaga acgaacctct cgaacgcaag aggggtaagg caattgtgaa 300

ataacattta tttttgcagg gtctacctct atgcccctac tggaaatgat atgccctaaa 360

actatacctt gttctaccat gaagtgacat ttttcaaaat tcagcacaag gttagtttca 420

atgcatctat taagaactct at 442

<210> 6704
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6704

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catattgaag aggtttaccc ctatgaagaa agtaatcttc taatggtgag aaggcttctt 120

gggagtcaac cttgtgacct aactcaatcc caaagagaga acatctttca tacaagatac 180

aaggttttaa acaaaaattg ttctcttatt gaggatagtg ggtcttgctg caattgttgt 240

agcacaaggt tggtacctaa gttgagtctc actatcattt gccacccaaa cccttacaag 300

cttcaatggc tcaatgatca aggggaaatg atagtcaata aacaagtaca aatatcattn 360

tctataggag actactgtga tgaagtttta tgttatataa tccctatgga ag 412

<210> 6705
<211> 378
<212> DNA
<213> Glycine max

<400> 6705

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gcttagcatt ggccctttgt gcaacagaaa cttgtctgta agaatgaagc ttaacaaaaa 120

caaggtcacc aatggcaaag tgtcttttag atccatgctt atcagcaagt tgcttcatac 180

aattctgagc ttgctgtaaa tgaaacttca gaactctaag catttcctcc ctcttgctaa 240

ggcttcgatc caccaaagca accttggatt caccaggaag gtaaggcaat gaaatgggag 300

gaggccagtt gatatagctc caagtggagc ttgtaggcct tggatcttct tcatcaatgc 360

aaaaaagatg attggaga 378

<210> 6706
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6706

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tcaaatggag aatagagacc atatgaattg ctcaagagct tccattgttt attttctagc 120

gtctagatat ataatgcgcc tcaatcggac ctccgagtta aaagttatga ccatttgaaa 180

tgctcaagag cttccattgt tcaatttcga gcgtcacgat atattatgca cctgaatcgg 240

acctgcgagt gacaacttat gaccatttga attgctcaag agcttccatt gttcaatttt 300

gagcgtcacg atatattatg cacctgaatc ggacctgcga gtgacaactt atgaccattt 360

gaattgctca agagcttcca ttggtcaata tcgagcgtct cgatata 407

<210> 6707

<211> 395
<212> DNA
<213> Glycine max

<400> 6707

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tcacaagcaa gcatctcgaa cgttgcaccc tcaactcgac ttggagtctt attttagcac 120

ttttcaatca cttctgatga aagacccaaa gcttcaaaaa tctgagcacc tttgtatgat 180

gccaaagttg atattcccat cttggcaaga accttcatca ttccatagtt gcttgctttg 240

aaatacttct tgaccaactc atcttttgag tggaattcac cacttgcttt tggtggtatc 300

tttccatcaa cctgcaggcg ccaaattgca tctattgcca aatatgggca tatagcatca 360

gcaccaaaac caacaagggt gcagaaatga tgcac 395

<210> 6708
<211> 428
<212> DNA
<213> Glycine max

<400> 6708

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aaatggtgat ggagatgcag atcataatgg agattgcggc cacggcgtta gtcactggag 120

gcatggtgta caaaggaggg ttttctgaga tgagggaaga agctgagagg gtttttgaca 180

agggatccac tttttactgg ttgacggttg tgtcaagtgt ggtgacatgg cagtgttgct 240

acatgggaac tgcagggttg gtctttctca catcttcagt aactggaggg gtttctgcta 300

atgctttgtt gtccctgaat gtgttggcag ggtggtttgt gtaccatgat gccttcaatg 360

gttttaagat tgtggccact gttttgtgca tttggggctt ctgctcttat gtctattgca 420

tgtacttt 428

<210> 6709
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6709

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gtcatcattt tttcgtcatt gaggtgccac ttgagctgcc aggtctctcc acctttgggt 120

gtattctttg aaagatctgt gccccttttt gcacatgttc tgttgttgca tcctatccgg 180

aaccatatca aacttgtact gatactgcct aatgaaggca accattangt ccttccaaga 240

gtggactcga gaaggttcta ggttagtgta ccaggtaaca gctaccccag taagattttc 300

ttggaaggaa tgtatcagca gttcctcatc ttttgcgcat gcccccatct tccgataata 360

catctttaga tggttcttgg ggcaagtagt ccccttgtac ttgtcaaagt 410

<210> 6710
<211> 357
<212> DNA
<213> Glycine max

<400> 6710

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catatcaaca gattcaagcg attgtttctc cttcagctcc tttttcttct ctctcactat 120

gtacctggcg aactcgtgca cttccttcac cgctcttctt agacgccttt cggaacctat 180

gtgaagtaat ctctttattt tccagactaa cggcaacggc tcgcggaacc ggttgctgct 240

gatctccggt ggttattcga aggcttgtgc gaacttgctc cgttcagctg acagcgtcag 300

gtattcggtg tcgaagccaa acgcgatttt gcagatgttg tcaaacgcga aacgttg 357

<210> 6711
<211> 353
<212> DNA
<213> Glycine max

<400> 6711

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caacaatcac atcttttcat tgggtcttgt atttcatcaa aggcctatat atatgtgact 120

tgagacacga atttgctaag agttttcaga acaaaaaggt cttatcctct taaaaagcaa 180

aatcgttgta tcctcttaaa aattccttgg ccaaacactt gtgattcaat aaggaattat 240

ttgagtgctc aaattgttca atctatctct ttcaagagag attcattctt cttctctttc 300

taattcacta acggattaag agaccgacga tctcttgttg aaaagaatct aaa 353

<210> 6712
<211> 412
<212> DNA
<213> Glycine max

<400> 6712

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gattttgcat acacctcctt caaagtgaag tatgtagcct ctctccatca tttggccaat 120

gcttagaaga ttttctttta tgctgggaac tagtaagaca tcatggatga gtcgcgtacc 180

tttatctgtc tccaccatga cagtgccttt gccttttgat tcaaccacac tttcatttcc 240

cagtcgaact ttgactttga cagactcatc aatacttttg aaaatagtct catccttggc 300

catgtgattg ctacatccac tatccaagta ccagtttcct ccctttttctt ttattgagtc 360

ttaagtggcg tagaacgtac attgttcttg atcatgatcc tctgcgatat tg 412

<210> 6713
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6713

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gtaatcgatt accagtgtat ctgaacgttg aaattcaaat tcaattatta agagtcacat 120

cttttcataa aatgctttgt gtaatcgatt acatggtttt agtaatcgat taccagtgac 180

aagttttgaa taaaaaagtc aagagatgta actcttccaa tggttttcag gtttttctca 240

aggttataac tcttccaatg gttttcttga ccagacatga agagtctata aaagcaagac 300

cttaacttgc atttgaacaa ctttttacaa ctctttagaa caacttttga gaaacctttg 360

ctacttattc ttcttcttct tcctttgcca aaagctttct aagttttctg gtttccaaac 420

cttgctctt 429

<210> 6714
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6714

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ttctcttaaa gatttatgca ataatatggc ttttgtatct atgattgatc ctaaaaatat 120

aaaagaagct ntagtagatg ataactagat cattgccatg caagaagaac ttgaaccaat 180

tgaaagaaac aatgtgtgga aattagtaga aaaacctgaa aattatcctg ttatagggac 240

aaaatgggtt tttagaaata aattagatga acatggtata attattagaa ataaagccag 300

gttagtagca aaagggtgta atcaagaaga aggaatagac tatgaagaaa catatgctcc 360

t 361

<210> 6715
<211> 399
<212> DNA
<213> Glycine max

<400> 6715

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gcttgatatt gagtcgtgta ggccactcta gatctgtctg caccttaata gcatccatag 120

caactccttc acctgaaact atatgtccca agtactctat ctccaataca ccaaaagagc 180

atttagacaa cttagcaaac aaaacatttt ctttcaacac tgtcaataca acctctagat 240

ggcataagtg ttcatgccat gtggaactat ataccaatat atcatcaaaa aactataaca 300

catatttcct taaagcatgt tggaaaatat ggttcatcaa acactgaaaa gaagtcgtag 360

cattggtcaa accaaatgga attaccaacc actcataat 399

<210> 6716
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6716

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ggggcctatg caggttgaaa gccttggagg aaagaggtat gcctatgttg ntgtggatta 120

tttctccaga tttacctggg tcaactttat cagagagaaa tcagaaacct ttgaagtatt 180

caaagagttg agtctaagac ttcaaagaga gaaagactgt gtcatcaaga gaatcaggag 240

tgaccatggc agagagtttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat 300

cgctcatgag ttctctgcag ccattacacc acaacagaat ggcatagttg agaggaaaaa 360

caggactntg caagaggctg ctagggtcat gcttcatgcc aaagaacttc cctataatct 420

ctgggctgaa gccatgaaca cagcatgc 448

<210> 6717
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6717

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agttgagctg cccggtgagt ataatgttag ttccatcttc aatgtctctg atttatctct 120

ttttgatgca gaaggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180

tgaggacatg accaagagca agggcaagga tccacttgaa ggacttggag gacctatgac 240

aagggctaga gcaaggaaat ccaaggaagc tcttcaacaa gtgctgtcca tactgtttga 300

atacaagccc aagtttcaag gagaaaagtc caaggttgtg agttgtatca tggcccacat 360

ggaggaggac taaatgacac cactntattt caaattta 398

<210> 6718
<211> 401
<212> DNA
<213> Glycine max

<400> 6718

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taacatctaa tgtgtgtttg aattgtcctg tggattattt aggtagaaca tttgtgattg 120

atctgatttg tttgcctttg agccaaattg atgttattct gggtatggac tggttatctt 180

ccaaccatgt cttgttaaac tattttgata aaactatggt gtttgatggt tttggagtga 240

gtaaggatat gatatttatc tctgccaacc aagttatgac atctttaaaa gaagatgctg 300

aggtgtacat gatcttgtct aacttggaaa tagagacaaa ggtttccatg tgtgacctcc 360

ctattgtcag agagtttcct gaagtgttcc ctaaggatat a 401

<210> 6719
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6719

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gtaataagtt tgagtggtcg agttctgtaa ccatcattnt gtctgatgaa cttgtgcttt 120

cctcctatac cgctggatgg gtgggtttgt atctgattca tatgtttgga ttaaaagctt 180

ttgtgccgga aaatagttat atatcccttg aacgttctat gtagtgtttt ttaattacct 240

atttttttgt cacttaaagt actaggatga tgcatttgcc acacaatatg gaagatttat 300

tttttataga ttattggaaa atgacctaga catcctggag atgccaatgg atttagtaga 360

gacttctaac atggtggcat gacattatat cacaanttac gttcatctct ca 412

<210> 6720
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6720

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cttccatctt taatggagag ggttaccctt actggaaaac ccgaatgcaa aattttattg 120

aggccataaa cctaaatatt tgggaagcca tagaaataag gccctatata cccaccacag 180

tagaaagaat tacatagatg gcagttcatc aagtgaaagt ataactatag aaaaacctgg 240

agatagatgg tctgaagagg atataaaacg agtacaatac aatttaaaag ccaaaaacat 300

aataacatct gccctgagaa tggatgaata tttcanggtt tcanattgta agagtgctaa 360

ggaaatgtgg gacactcttc gattaacaca tgaaggaact acagatgtta aaagatct 418

<210> 6721
<211> 249
<212> DNA
<213> Glycine max

<400> 6721

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ggaggacaca tgaacgaaaa cgcaattcat gggtctccga aaagattgag aatggagaat 120

tgcactaagc aatcactacg catagctcca aactcgatgg tggaggacac atgaatgaaa 180

acgcaattca tggggctccg aaaagatgga gaatggagaa ttgcactaag caatcactac 240

gcatagctc 249

<210> 6722
<211> 238
<212> DNA
<213> Glycine max

<400> 6722

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tttccaaggg aatgggacta tgctaggttc agacagggtg ctgataagtg tggggcagtg 120

ttgatgtgtg atttggctca tatcagtggt cttgtagcgg ctaaggtgat ttgattttac 180

tgtcttttct cttgtttctg tttgaattat gttatcgatt ttatggttgt ttatgcat 238

<210> 6723
<211> 253
<212> DNA
<213> Glycine max

<400> 6723

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ttcttcaaac attcggtcat aggacttgct atagtgctaa aattctggat aaagcgtcga 120

taaaatgatg caagaccaag gaaagatctc acctccgaaa ctgttgtagg gctcggccaa 180

gtcttgatag catccacttt tgtttgatca acggatactc atctttaga caccacatat 240

ccaagaaaca cca 253

<210> 6724
<211> 247
<212> DNA
<213> Glycine max

<400> 6724

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gaatgtagat agattgtaga gccatcaaca acatcgctgt aaggtataga catcttatcc 120

ctagacttta tgacttgtta gatgagttgc atggttctag ttatttctcc aaaattgatt 180

tgaaaagtat ttaccaacaa attagaatga gaaaaggtga tgagtggaaa accgctttta 240

aaactaa 247

<210> 6725
<211> 250
<212> DNA
<213> Glycine max

<400> 6725

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agatatctag acgctcgaaa ttgaacaatg gaagctctcg agaatttaaa attgtcataa 120

cttttcactc ggatgtccga ttcaggaaca tcatatatct agacgctcga aattaaacaa 180

cggaacctct cgagaaattc aattggtcat aacttttcac tcggatgtcc gattcaggcg 240

cataatatat 250

<210> 6726
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6726

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aatagttgga aactacctaa tcccaaaggg tagtcacata ttgttaagta gacaagaaat 120

tgggcgaaac caaaaagttt ggggttaacg aagctcacaa gttcaagcca gaacgtcacc 180

tgataatgaa taagagtgag gttgttgttt tgacggagcc agatttgaag tttattttgt 240

tcagcac 247

<210> 6727
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6727

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tatatcttaa gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120

tctatttcac tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180

ttcaaatgaa gcaacttgaa tatgaatata aagcaataat aactaaagga gattaaggga 240

acagaaa 247

<210> 6728
<211> 250
<212> DNA
<213> Glycine max

<400> 6728

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agactacctt acttcagttt gggtttgtgg caagtaaatg tgatctctct ctgttcattt 120

acaagaccaa gtctcacact gtatatctcc ttgtgtatgt tgatgatatt ataattactg 180

gaagttctat tcctttaatt caacatctta cctctcagtt gaactcaaaa ttctctctca 240

aacagcttgg 250

<210> 6729
<211> 203
<212> DNA
<213> Glycine max

<400> 6729

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gtcaactttt aaggaaaatc tgatattaat aggaatgaag tgagcagact tagtcaatct 120

atcaacaatt acccaaatag aatctaaacc tctatgggtt ctaggtagtc ctaccacaaa 180

atccatggaa atactgtccc act 203

<210> 6730
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6730

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gctagagctt aagtacacac ccnctataat agctaagctc acccccatga caaaaaaaca 120

tganaatact aaaaaattct ttactacaaa gactactcaa aatgccccga aatacaaggc 180

taaaacccta tactactaga atggccaaaa tacaaggtcc agacgaagga aatacctatt 240

ctaatattta caaagataag cgggctcata cttagcccat ggactcgaaa tctaccctaa 300

ggctcatgag aaccctaggg ccttcccttg gatctctagc caatctactt ggagtcttct 360

<210> 6731
<211> 344
<212> DNA
<213> Glycine max

<400> 6731

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ttacctgtgg tgaataacaa gagcaagcct ttgctttgct caaagaatag cttactaatg 120

cacctgttct agctcttcct gactattcta aaacttttga gctagaatgt gatgcctccg 180

gagtgggagt tggagctgtc ttgttactag ggtgatgcct catgggctat acacatccct 240

acccattcca tctgcaccgt gggtagacat tagtatggac tttgttgtgg catccctaaa 300

ttaatgacta gtttaaatgt ataaattaaa tagcataacc atgg 344

<210> 6732
<211> 174
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6732

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aagttgaaag ccttggatga aagaggtatg cctatgtagt tgtggatgat atctccaaat 120

ttacctgngt caactttatc agagagatat cagacacctc tgaagtattc taag 174

<210> 6733
<211> 454
<212> DNA
<213> Glycine max

<400> 6733

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tcttactggt ttagctccat cctctaaatt tattcgatgc atacatgtgg atgggctaat 120

accaggaatg tccgccaggg tccatcctat agccttctta tgcttcttga gaactgacaa 180

caacttctcc tcttgctcat cagcaaggga ggcagatata atcactggaa aactcttgct 240

atcatccaag taagcgtaat ttaaatttga tggcagaggc ttcaattctg gcgtggtcgg 300

ctggacagtg gtagaatgag atggtttctc agccttgacc tcataaagaa agtcagaggt 360

atgtgccatc tcttgaacat ggttagtcct atctgactct ataaaatcat ctcatgaggt 420

aaacaccacc atcagcatgc aatcaatatc actc 454

<210> 6734
<211> 294
<212> DNA
<213> Glycine max

<400> 6734

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aattaattcc ttttatcttt tcttgtttat attttattta attggttgtc atataaatat 120

tatgtcaata gtttatatga ttatcacgtc aatactaata tgtcatgtta actagcgagc 180

aatcttgact ttggacggtg aaccaatgaa aagattaaaa ttatttattt tacaacataa 240

aagaattaac atcacatatt taatatataa agaatcaaga ttgaatttaa caaa 294

<210> 6735
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6735

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tatgtgagtt tgaatcctta catatgaaag agtcagagtc catttctgat tatttntcaa 120

gaattctcac tatttcaaat caactaaaaa gaaatggtga gaaagtagat gatgtaaaat 180

tatggagaag atactatgct tactagattc caaattgagc acattgtgtg acaatcgagg 240

gaaccaagat ttagaaccat gatgatagaa caacttcagg atcactacag tttatga 297

<210> 6736

<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6736

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tattgtcttt tattaaactc atttcatgat atnttgnnaa gtgatgcata tcaagctatt 120

ggctactaaa attttcttac ctcatgattt attcaagtca atagtgaaat agcaatgggt 180

gcaaccattt ccccaatttc tgcataccga aactcccagt tcaatattag tgtacttatc 240

tggaaggtat aatcccaaga atcttcctag tgattaatct gcaaatggaa accagccttt 300

aagcatcttg ggtctcatct cattattctt ccgactaggt gtatggcatg cggaccacta 360

taatgtctca agtgtttgga ttcttcaaaa cccctatcat ctaacaagca tntgtatgaa 420

acaagacatg tggagatcca agcctatgta tgctaattca tagctaatat g 471

<210> 6737
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6737

gaaccatgta cattgtggag attgtgtgac tacatggcta cctcttgagc atagtgccaa 60

atagagacct ttngtttacc tctaggttnt gggagagttt acaagaagcc atatagacta 120

aagtggaact tagttcatcc tatcaccctc aaatagatag ttaaaccgag agaactatct 180

aatccttaga agaccttctt atagcttgtg cgattgaaca aaaaagtagt tggaacgagt 240

gttaaccctt gtagagttac ctataataat aatatccatg ccagtacang gatggcacca 300

tntgaagccc tgtttgggca gaagtgtaaa acacccttgt gtttgtatga gatagatgaa 360

cctctcttgt aggtctagcg tgtt 384

<210> 6738
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6738

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tcttatgcgc ctgaatcgga catcctagag aaaagttatg atcattcgaa ttgctcaaga 120

gcttccattg ctccatttcg aacgtctcga tatattatgc gcctgaatcg gacatccgag 180

tgaaaagctt gaccattnga actgctcaga cgatcccttg ttcatntcga acatttcata 240

tcttatgcgc tcgatcggac atctgatgaa aagcttgacc attgaattgc tcaaagctcc 300

cttgtcaatt tcagcatctc gatatttatc gcctgatcgg actccagtta aagtttga 358

<210> 6739
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6739

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tgaataagaa tgtggcattc acttggggtg aaagataaga gcaagccttt gctttgctta 120

aagaaatgtt cacaaagaca tttgttttag ctcttcctga cttttctaaa acttttgagc 180

tcgaatgtga tgcctctaga gtgggtgtgg gagctgtatt tgtgcaaggt gggcacccta 240

tnttcttttt tagtgaaaaa attcatggtg ccaccctcaa ctaccgcacc tatgataaag 300

agctttatac cttaataaga gccctccaaa ctnangaaca ttaccttgtt tccaanggaa 360

ttgtcattcg tagtgatcat gatattctta tgtacatt 398

<210> 6740
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6740

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aacactcatc ctcttgctga actacctgtg gctaagcgag gctgaatcgc taagcccagg 120

taacttaacc atnnttttt gtgatagcca catgttagac aagtggcctc agatatctta 180

agaaggggggg ttgaattaag atatcccata ctacttcccc aattaaaaat ctatntatct 240

ttttattcaa attataaatt cccttaacaa tgaacttctt aaatattgat tcaaataaaa 300

caagttgaat atgaatataa agcaataata aataaaggag tttaagggaa gagatagtgc 360

aaactcatat ttatactggt tctgccacac ccttgagcct acgtacagtc ctcaagcaac 420

ccgcttgaga gtt 433

<210> 6741
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6741

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tcgtgagata agatagaggt ggtgagtact atggtagata catagaggat ggacaaacac 120

caggttcatt tgcgaaattt cttcaagaac atgagattgt tgcccaatac actatgcctg 180

gttctccgga tctgaatggt gtgacagaac aaagaaatcg aaccttatta gacatggtga 240

gaagcatcag gagtaatgta aagcttcctc aattcttatg gattgatgct cttaagacgg 300

ttatgtatat attaaaccga gttccaacca agggtgtctc aaagacatct tttgatgtat 360

<210> 6742
<211> 380
<212> DNA
<213> Glycine max

<400> 6742

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catcttctca attaaatttc tggcttcaac aggagtcatg tctccaaggg ctccaccact 120

ggcagcatct atcatacttc tctccatatt actgagtcct tcataaaaat attggagaag 180

aagctgttct gaaatctgat ggtgggggca actggcacat agtttcttaa atctctccca 240

gtactcatac aggctctctc cactgagttg tctaatacct gagatatcct tcctgatggc 300

tgtggtcctg gaagcaggga aaatattttc taagaatact ctcttaaagt catcccagct 360

cgtgatggac cttggagcaa 380

<210> 6743
<211> 247
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6743

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gcctaggatc ttcttcatta atggatccct ttgcttcttg gaagatgaat ggcagcggaa 120

tggagaaaga agagagagag aggagatgcc acttcaagga gaagatgagt ctagannaag 180

ctcaccacca taggaggcca tggataagag cttggaggaa gaaggagatg aatgaaggga 240

gaggaag 247

<210> 6744
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6744

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attatttgaa ctcaaccaac ccatacatat gattaaatnt attattatat atgaattaat 120

tataaatata aaacaccatt aaatttagct cacatcactt attaaaatat taaattaaat 180

cactcatgct cttccttca 199

<210> 6745
<211> 350
<212> DNA
<213> Glycine max

<400> 6745

attgagatgc tagatattga gaaatggaag ttctcgtaaa ttcaattggt cataactttt 60

cactcggatg tcagattcaa gagcaaaata tacagagacg ctcgaaattg aacaacggat 120

gctctctaga aatataaatg gtaaaatttt ttcacatgga tgttatattc agacacataa 180

tatatcgaga cgttcgagat tcaagaattc aaaaattaaa gttctcaaga tatatagaga 240

tgaaaaatta tgaccatggg tgtacgattg agacccatga tatatcgata tgctcaaaat 300

tcataaattg gtccaattca taaattcaaa gagcccttac ttttgacatg 350

<210> 6746

<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6746

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aacccggaga ttgcgtttgg gtgcacatga gaaaagaaag gtttccgaaa canagganat 120

cacagcttca accaagggga gatggaccat ttcaagtgct tganagaatc aatgacaatg 180

cttacaaagt tgagctgccc ggtgagtata atgttagttc caccttcaat ggtctctgat 240

tatctctttt tgatgcagat ggagaattcg atttgaggac aaatccttct catgagggag 300

agaatgatga ggacatgacc aagagcaagg gcanggatcc acttgaagga cttgangacc 360

tatgacangg ctagagcag 379

<210> 6747
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6747

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gccttgcaac aagtcctatg gaagtagaca cggagatgga caagaaaatc cgcagtattg 120

tgagtagcat nttgaaagac gcctctgttc ctgatgctga gaaagatgtt ccaacatcct 180

ccaccccaga tgttgttgtc cctgaagctg atgaagatgt cccaacatct tccaccccga 240

atgtttctgt gcctgatgtt gagaaagaat gttcaacatt tttcggccca catgctgaag 300

tactc 305

<210> 6748
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6748

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cccaatgctg agactacatt atctgtcaag ttccagtaac caatgaggtt tacattgaca 120

agtctagcct aacaattatg caaaaggtgg agaagaccaa catcatttat ggcatagagt 180

ttagtcagat taagatgctg aagtcaagga cacaatttga acaattatga cttggctagc 240

attgataaaa ccaagtcacn tttgaattac taaaggtcga agagactcgc aaggagaaag 300

catatacact tccatatcga tatctttgac tcccatgcac ttcacaaggg aaagaganga 360

actttattt 369

<210> 6749
<211> 455
<212> DNA
<213> Glycine max

<400> 6749

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aaaggaaaga gagacagtga atgcatattt ttcttgtagt ctaaccataa ccaacaaaat 120

gaaggctcat ggtggagtga aacagtcatt attgcaaaga ttttgagatc aatggtctca 180

aaatttgatt atgtggtatg ctcaattgaa gaatccaaca acttagacat gatgagtatt 240

gaggagttgc aaagtagtct ttttgttcat gagaagagga tgagaagttg tggagaagaa 300

gagcaggttt taaagatctc ccacgaagaa aaagcaggta gaggtagagg cagaggaagc 360

ggaagacaat cattcaataa agttgctatt gaatttttca aatgtcacaa gttaggacac 420

tatcaatatg aatgtcttga ttgtgagaaa gatgc 455

<210> 6750
<211> 353
<212> DNA
<213> Glycine max

<400> 6750

tgatgagaaa agttacatga attggcacca gcaagttaat gctgtccttc gagctcatca 60

attagaaaaa tatgtcgtca atcctgttgt tcctctcaag tacctctccg aagaagatcg 120

tgcagctggg acaatcaatc cagaatttac gaattgggat cgtcaagatg ctctaatcat 180

gtcttggctt ctttctacgc tttctgattc aattctcagt cgtgttgtga cttgttgtca 240

ttcattccaa gtctggaatg ccatttgctc ccattttcat ggtcttacgc gtgcaagaac 300

tacgcaatta cgcttggaac tgcgaaccat caagaaaggc aacaaatctt gca 353

<210> 6751
<211> 420
<212> DNA
<213> Glycine max

<400> 6751

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atatatcaag acgctcgata ttgaatgttg aacctatgag ccaattcaaa cgacaataac 120

tatttaatcg gatgtctgat tgagtcccgt aatatatcga gacgctcgaa attgaatgtt 180

gaagctttag gcaaattcaa acgacaataa ctatttactc ggatgtctaa ttgagtcccg 240

taatatatcg agacgctcga aattgaatgt tgaacctatg agccaattca aacgacaata 300

acttttttact cggatgtctg attgagtccc ataatatatc gagacgctcg aaattgaatg 360

ttgaacctct gagccaattc agacgacaat aactttgtac tcggatgtgc gattcagtgg 420

<210> 6752
<211> 247
<212> DNA
<213> Glycine max

<400> 6752

aaacttgaat taacctgtaa ctagctattt ttgtattcat tgtaactaac ggagaaacta 60

aatttccact taatatgaga agatgtacct tttatgagac cttattgcta ctaccattta 120

gcatctctgg cgccatccat agaagatttc cacgaacacc accacacacc aacgtatttc 180

gcttaatctt tgataagcca taatcaccat cctggtgaaa agcaagtttc ttagctgtat 240

cacaatg 247

<210> 6753
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6753

taataagtcc atctatggat tgaaacaagc ctcctgctag tggtatttaa aatttcatga 60

ggttatttct tcattcagct ttgaagagaa tgtcatggat cactgtatat actagaaggt 120

cagtgggagt aagatttgtt tccttgtatt atacatagat gatattctac ttgcgactaa 180

tgataagggt atgctatatg aggngaaaca atttctctca aagaactttg atatgaagga 240

tatgggagag gcatcttatg tcataggcat aaagatccat aaagaaagat ctcgaggcat 300

tttaggcttg tctcaagaaa cctatatcaa 330

<210> 6754
<211> 286
<212> DNA
<213> Glycine max

<400> 6754

ttcaattggg ttctggaatg gccatcaaag gcctatttat ttgtaactgg aaacacgaat 60

ttgctaaaag tttttaaacc aaaaaggtct tatcttttaa aaagcaaaat cgtgttatcc 120

tcttacaaag ttccttggcc aaaacacttg tgattcaata aggaattatt tgagtgctca 180

aattgttcaa tctatctctt tcaagagaga tttcatcttc tcttcttctg tattctgaaa 240

aaggataaag agaccgaggg tctcttgttg taagaaaatc tgaaca 286

<210> 6755
<211> 347
<212> DNA
<213> Glycine max

<400> 6755

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cattaagaac tagctctttt cttcctctat tgcctttagt tgaatacacc tttgtttgat 120

tctctatttg gttcttaacc ctctcatgca tcttctttac aaattctgac ctagattccc 180

cttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtctaac ggtgttaggg 240

gattgaaccc atagacaacc tcaaaagggg actgcttggt ggttctatga acccccctgt 300

tgtaggcaaa ttctacatga ggaagatact catcccaaga cttatgg 347

<210> 6756
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6756

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atggaaagct aaaggcttgt tggagtaaat tcacactgac atctatggaa caatgaggac 120

atagtcgctc aacaacaata ggtacttcat ccttttcatt gatgacttct ctagaatgac 180

atgggtttac tttcttaaag aaaaatcaga agtctttgga atattcaaga agatcaaagc 240

ctttgtcaag aaacaaagtg ggaagcatat aaaagtactc agaagcgatt gaggcaagga 300

atacaacttt catgagtttg ataagttttg agaagatgaa ggcattgagt gtcagcttac 360

agtggcatat tcttcacaac aaaatggtgt gcctaagaga aagaattgaa cagtcatg 418

<210> 6757
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6757

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gcatacaaag tgctctatat ccagcttaac aaacttagta actgattcta ctctaactaa 120

ttgctaacta atctaactat cctctaactg aaaataacta actctatttt ctgcatagag 180

ctttaatacc cctctcaagt tggagagtaa atgttaatga gtcccaactt gcggataaag 240

gaagagaaag ctagaagcat taagggcttt gtgaagatat caacaacttg atgttgggat 300

ttcacatgag caagcttaag gttgttggac tgcactaact cacaaatgaa gtgataatca 360

atatcaatgt gtttggatcg ttcatggtga gttggattag aagctagatc aattgcagat 420

ttgct 425

<210> 6758
<211> 345
<212> DNA
<213> Glycine max

<400> 6758

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taccttgtct ggatccacct ctattccttt ctggctaacg acaaagtcga gcaatttttt 120

tgattttacc tcgaacgtgc actttgcggg atttaccctt aacctgtatt tatgcagtcg 180

cccgaacaac attcgcaaat tgactaggtg ttcctactcc gtccttgatt tggcgatcat 240

gtcatccacg tagacctcga tctctttatg gatcatgtca tggaataacg ccaccattgc 300

ctgctggtat gttgccccaa cgttctttag cccaaatgac atcac 345

<210> 6759
<211> 308
<212> DNA
<213> Glycine max

<400> 6759

tcagttttaa atgtcgagcg tctcgatata ttactcgact caatccgact ttcgagtgaa 60

aagttattgt cgttagaatt tgctacgatc ttcgatttta aatttcgagc gtctcaacaa 120

gttactggac tcaatctaac ttccgagtga aaatttttgt cgttcgaatt tgctacgagc 180

ttcgatttta aatttcgagc gtctcgatat atttcaggac tcaatcggac ttccgagcga 240

aaagctatag tcgttcgaat ttgctgcgag cttccgtttt caaattagag cgtctcgaga 300

tattaccg 308

<210> 6760
<211> 428
<212> DNA
<213> Glycine max

<400> 6760

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atatatcgac acgctcgaaa tttaaaaccg aagctcatag caaattcgaa cgacaataac 120

ttttcattcg gaagtctgaa tgagtcccat aacatatcga gatgcttaaa atagaaaacc 180

gaagcttgtg caaattcgaa cgacaataac tgtttactcg gatgtgcgat tgagccccgt 240

aatatataga gacgctcgaa atttaaaacc gaagctcgca gcatattcta acgacaataa 300

cttttcactc ggaagtccga tggagttctg tcaactatcg agacgctcga aacttaaaac 360

cgaagctcgt agcaaatacg aacgacaata acttttaatt cggaagtccg attgagtccc 420

gtaacata 428

<210> 6761
<211> 344
<212> DNA

<213> Glycine max

<400> 6761

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tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacatttg aaagaatttc 120

acattgtctg ctccaccatg aaacccctag atgtccaaga ggatcacata tttctgaagg 180

cttttcctca ttcattagag ggagtggcaa aggactggct gtattacctt gctccaaggt 240

ccatcacgag ctgggatgac cttaagagag tattcttaga aaaagttttc cctgcttcca 300

ggaccacaac catcaggaag gatatctcag gtattagaca actc 344

<210> 6762
<211> 357
<212> DNA
<213> Glycine max

<400> 6762

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cgaattcata attgtcaaca atctcattct tcaccagaag cgcatttggc taccacggga 120

tttccagatg atccccacct tgctcaccga gtttcacttg actccgacag ggggtcacat 180

gggcatagcc aagacccttg cccagatatc agagaacttt agttggccag gtctccataa 240

tgatgtgaga aaattcattg cccaatgcgt tgattgtcaa cacaccaagt ataaaactaa 300

gaaaagtgtc gggttgttgt gcccgttgcc agtgccgcat cgggcatggg aagaact 357

<210> 6763
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6763

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cagtgtaatc gattaccaga agacaatttt gaagcaaagg gttntgaatt tcaattttga 120

atcatgtaat cgattaccag atgtttgtaa tcgattacca gcaatggcac tttagaaaac 180

actttgaaaa gacacgaccc ttcaaaatat aactgtgtaa ttgattacta gaaaccttta 240

atcgattacc agtgaagaat ttcagaaaaa agtttttgaa aagacacata tcttcaaacc 300

ttttgaaaa ggcaccaagg gcctatatat atgtgtgtct cacttagaaa agcaggagag 360

agatattcta agagaactta atttccaaat gctctctcaa caactcttgg gcaaacactt 420

<210> 6764
<211> 425
<212> DNA
<213> Glycine max

<400> 6764

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gttggatcaa atggagaata tagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tgatgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc tctttaaagg 180

aaagaatgat ccaaaggcct acttggaatg ggagatgaaa atagagcatg ttttctcatg 240

caaaaactat gaggaggacc aaaaggtcac gcttgccgcc acggagtttt ccgactatgc 300

tcttgtgtgg tggaacaagc tacaaaagga gagaacaaga aatgaagagt caatggttga 360

tacatgggcg gagatgaaaa ggatcatgag gaagcggtat gtgccggcta gttactcaag 420

ggact 425

<210> 6765
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6765

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tgcacctgcc gccagactct gtggtttatg ctcctctgcc gaccaccaca cagaccttta 120

cccttctgtg caacaatctg aagcaattga acaacctgaa gcttatgctg caaacatcta 180

caacagacct cctcaacctc aacagcaaaa tcagccacaa cagaataatt aagacctctc 240

cagcaacagg tacaatcctg gatggaggag tcatcccaac cttagatggt cgaatccttc 300

acaacaacag gagcaccaac aaacaacttt ttttcaaatg c 341

<210> 6766
<211> 342
<212> DNA

<213> Glycine max

<400> 6766

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tgtacctgtt gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcaattga gcagcccgaa gcttatgctg caaatattta 180

caatagacat cctcaacctc agcatcaaaa tcaaccacag caaaacaatt atgacctctc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctaat ctcagatggt ctagccctca 300

gcaacaacaa cagcagcctg ctccttcctt tcaaaatgct gc 342

<210> 6767
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6767

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aattttatta ttttgaatta cctatattat ttttatgttt taaacaaact aaatttttc 120

ttaaaaataa acacgttggc aattcgggtt ggcagggtct gaattctgaa cggttttgtt 180

gcaaatattc ttgaaaataa caatgtaaat ttcgatcttc taacccgaat ttacactttg 240

aatagtaaac ttgtatgttt gtgtaaataa tgagaaaata tgtatgtttg aatatataat 300

ttttttataa atgtatgttt ctcaaaaaat ttctattctt gcaaaataaa ttataaccat 360

aatttaatat aactctttat acaatatact tatgttttac gataacatta aaatntggaa 420

attatt 426

<210> 6768
<211> 366
<212> DNA
<213> Glycine max

<400> 6768

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tatgcccttа ggcacggcat tacataacat ataaatgact ctcggatagg gaggacactt 120

atctatagca tcaggtgctg tatcgaatct cattgcacaa caggggaaat ggtccacgat 180

acaactacct tttggggagg tcgcgttgat ttccgaaaac tgctcggcca cagtcggaca 240

agtgggaaat gttgtattaa gccaaaaaaa tttatgtaga tccggatcta aatgtaggat 300

atgtaagcgt actgtattaa gaggagtagt tatgataccc ctagaccatg cccatggggg 360

tggtga 366

<210> 6769
<211> 397
<212> DNA
<213> Glycine max

<400> 6769

ctaacaagag ttttcattgc ccacaaagtt tatcctctca aaagattaag agtttttctg 60

aactgaactg tcttatcctc tcaaaaagat tccttggtca accacttgca tattcaataa 120

ggaattttga ttggtcttca ttgtacaatc tatccctttt aagagagatt tcttcttctc 180

ttcttcttac ttctgaaaag ggattaagag accgtgggtc tcttgttgta ggggattctt 240

gaacacaagg gaagggttgt ccctatgtgc attgttaatc cgaaaagaga gagtgaaagt 300

ttaattgcgg aataatattc gtatcttaat tcaatcccct cttcttctca aggtaaccga 360

ggccatttgt ccaacatcct attcttgaca actcgct 397

<210> 6770
<211> 455
<212> DNA
<213> Glycine max

<400> 6770

gatcttaagt cacctgcggc atgcaagctt gcaaaccaaa tgctcaccac tattagagga 60

gaaatcttta agttgtttca tataaacctc ctcctctaaa tcaccattaa gaaaagttgt 120

tttcacatcc atctgttgca actcaaggtc aaaatgagaa actaatgcca agataatacg 180

aagagaatct ttcttagata ctggagaaaa tgtctttgtg taatctattc cttccttttg 240

agtaaatccc tcaacaacaa gtcttgcctt gtatctctca atgttgccta atgaatccct 300

tttggtctta aatacccatt tacatctaat ggcctttgcc ccattaggca tctttacaag 360

gttccaaact ttgttactct gcatggaatt catctcatcc ttcatggcat cataccataa 420

atttgactct ttacaactcg tggcttgatc aaaag 455

<210> 6771
<211> 436
<212> DNA
<213> Glycine max

<400> 6771

agcttgtgga ttatgggtag tgatggaagg gtgagaaagg atggtagggt caataatgtt 60

aagagaaagc agttctcata aaaaatgaca ttttgagaca cttcaatggt tcgtgtatga 120

agattgtaca caatgtaacc tttcttgtgg gatttaaatc ccaaaaacac acaaggtaag 180

gctctaggat ccaacttttt tctgttagca ttgagagtgc taatgtaaca tagacaacca 240

aaaactcaaa gtaaattaac atcatataat gcagaataga gtttttgata tggggactca 300

tttttcagaa aatttgtagg aatgatattt atcaaagtag caacatgaag taaagcatag 360

gaccaaaaaa tgtttggaag gttaaattga aacaaaaggg cccgagttac attaagtaaa 420

tattgatgtt ttcttt 436

<210> 6772
<211> 339
<212> DNA
<213> Glycine max

<400> 6772

ttgggaggaa catggacaag gatgctatcc gaccatttag tttctagact tcttggacgt 60

tggtcgggat ctacatctcc agtatggcag tgcatttgtt agggttggct tcaatccccc 120

ggtgagtgat catgaaacca aggaacttgc cttcacctac cctaaaagta catttttcaa 180

ggttgaagtg catgtcatat ttgcggaatt ccccgaagac ttcttctagg tttgccacat 240

gttgagttat gctttgaaac ttgatgacca tgccatccac atataccttg acatttagtc 300

caatctactg tcataacttg cgaatgatga tgggagcct 339

<210> 6773
<211> 259
<212> DNA
<213> Glycine max

<400> 6773

ttgcatcccc ctaagatcca ttaggaaatt acttgtgaaa gagagccatg agggtgggct 60

catgggccac tttgtgatag acaataccct tgtcttactc aaagaaaagc tctattggcc 120

ccatatgaag aaagatgttc ataagcattg cactacgtgt gtggcttgtt tacaagccac 180

ctctatggcg atgcctcatg ggctattcac acccttaccc atcccatctg caccttgggt 240

agacattatt atggacatt 259

<210> 6774
<211> 331
<212> DNA
<213> Glycine max

<400> 6774

tgtttaagaa gagcgagtcc taattccaca atatgtttgt gtttcctttc cactacacca 60

ttttggtgat gagtgtgtgg acagatcaat ctaagagtga taccttggct tgctaaaaaa 120

ttagtgagag gtctgaactc tcctcctcaa tctgtgtgaa cactcttaat tttggagtca 180

aactgaagtt cattagcttg aactgttgaa aaatggtgaa ggtttctgac ttatgtttaa 240

gcaaatagat ccaggtgaac ctagactagg catcaacaaa ggttatgtaa tagtaaaaac 300

catttttgga aagaatgtgg acaggacccc a 331

<210> 6775
<211> 422
<212> DNA
<213> Glycine max

<400> 6775

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60

aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tgcagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360

ctctagatac attacaagaa catttttatt ggcctcatat gaaaaaggat gtgcagaaat 420

tt 422

<210> 6776
<211> 352
<212> DNA
<213> Glycine max

<400> 6776

tgaaggtaaa ctagatgcct tggtaaacct ggtaacccaa ctggccatga atcaaaaatc 60

tacacctgtc gccagactct atggtttatg ctcctctgcc gaccaccaca cagacctttg 120

cccttctgtg caacaatctg aagcaattga acagcctaaa gcttatgcta caaacatcta 180

caacagacct ccttaacctc agcagcaaaa tcagccacaa cagaataatt atgacctctc 240

cagcaacagg tacaatcccg agtggagaat catcccaacc ttagatggtc gaatccttca 300

caacaacagc agcaacaaca acaaccttat tttcaaaatg ctgctggccc aa 352

<210> 6777
<211> 326
<212> DNA
<213> Glycine max

<400> 6777

tgatttccct accaagcctc ttacattatc acctcgcaca gaaacatcag tcattaatgg 60

aacttatagg ggatttatgg aaattatact gcagaacaat gatactaaga tgcataccta 120

tcacatgagt ggatatgcat tttttgttgt cgggtactgg ctaactcctc ttttatgatg 180

ccattccatg tttctggaac caataacaca acttgattta gtaggctgca cgatagattt 240

tggtgattgg tcttagaata gcaagggtac atataacaag tgggatggaa tagctcgcac 300

tacagcccaa gtatatatat atttat 326

<210> 6778
<211> 416
<212> DNA
<213> Glycine max

<400> 6778

agctttaatg tgttttccct tgtataacta ctaactgcag taacagattc tcctgaaatc 60

tgttgagtcc cacatcgagt agaagtggaa aggttgagca ccatataagt gaggagaaga 120

cccataaatc tgagccttaa ggttttgggt tagagtgtga tgtcagatct ccttatgtgg 180

tggctcgtgg tccacaggtg tacccctcga atctccccaa caattggtat ctgagctgat 240

ggttcaagtt ggtgaccggc tcagacgagt atgcaagtac tgcaggtggc caaaatggct 300

agcggcacag cgtgccccgc aggtggagcg gagtggccag aatggctagc gggcaaggca 360

agtaccgcag gtggccatgg ctatacttgt ggatgataaa gacttccgct agaggg 416

<210> 6779
<211> 349
<212> DNA
<213> Glycine max

<400> 6779

tcttcttgac tcatcttttc cttgaagtgg cgtctccaat catctttctt ccttcttcat 60

tatgctgcca ttaaacttca agaagaaaag gactccattg atgaagaaga tgcaaggcct 120

acacgttcca caaggagcta cataataatt acatattaaa agctcagaga aaccgcccac 180

attcctttat aaacacctta gatcaaggta acagtctatc tccactatct ttacaatctt 240

tcaaaaatct tcaagatttc tcttagaaaa agatcacaaa aaccctaatt atcttcacaa 300

aatcactatg acatgctaca gcaaaaacac taatcctgcc atgtccatc 349

<210> 6780
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6780

agctttctcc accaagttgc ctgatgcctg aaatgtcttn tttgatggta gtggtcctag 60

atgcagggaa gaatttctcc aagaacaccc tcttaaggtc atcccagctg aaaatagacc 120

tgagagcaag gtagtataac caatcttttg ccactccctc cagagaatga ggaaaagcct 180

tttgaaagat atgatcttct tggacatcag ggggcttgat ggtgaaacaa acaatatgga 240

actccttaag atgcttataa ggatcttcac ctgcaagacc atgaaacttg ggcagcaaat 300

gtattagtcc agtcttgaga acatatggaa caccccttatc aggatattga atgcataagc 360

tntcataagt gaaatcaagt gcagccatct ccctaagagt cctatcacg 409

<210> 6781
<211> 246
<212> DNA

<213> Glycine max

<400> 6781

taatatatcg agacgataaa atttttcaac ggtttctctc gtgagattaa aatggtcata 60

agttttaact cggatgtccg attcaggagc ttcacatatc gagatgcacg aaattgaaca 120

ctggaagctc tagagaaatt ctaatggtca taaattttca cacagaggac ctattcacgc 180

gcttaatata ttcagacgct cgaaattgaa caatggaagc tctcgagata ttactatggt 240

cataac 246

<210> 6782
<211> 410
<212> DNA
<213> Glycine max

<400> 6782

ctcaagcttg aagaatttac ataaaattgg ttatggggat gattctgcac cgaagttatc 60

ttatcgagaa ccccaaaagg cacctaatgg gcatgctgtt atgcatgtta aggatatact 120

gcctcgaggc cttatcaact ctgggaatct atgttttctt aatgcaacca tgcacgctct 180

cttgtcatgc tcacctttcg ttcatctttt acagcaatta agaactcgca accttcctaa 240

ggttagtttt tctgctgctg catgtcaact attaaccaat taactaatac tgccatgtac 300

aggttttagc ttaacttata gatgagataa taacattaaa ggaataaaga cctaaaagat 360

gtattatgca ttcagatttc ccttatgcta gaaaattatt gaactgatat 410

<210> 6783
<211> 336
<212> DNA
<213> Glycine max

<400> 6783

tttgggtcgt acttccattg ctaagttcaa gtctttaaaa tctctcgatc aattgcaatt 60

ctttcaccat cataacgaac atatgcaagg acttcttgct caaagcattc gccacaatgt 120

tagccttgct gggatggtat gacaactcaa agtcataatc ctttagaaac tccatccatc 180

tcctctgtct catgtttagc tctttttggt caaacaggta cttcaagctt ttgcgatcat 240

taaataattt gaatattgcc cgaaagagat aatgcatcca tatctttaac cataaaccat 300

tgttgccagc tctaagtcat gggtaggata gttcac 336

<210> 6784
<211> 250
<212> DNA
<213> Glycine max

<400> 6784

tttaatttcg agctcttgga tattatcttg actcaatcgg acatttgttt gaaaagttat 60

tgtaattcga atgcgctcat ggctacagta ttgcatttcg agcgtctcga tatattacgg 120

gactcaatcg gacattcgag taaaaagtta ttgttgcttg aatttgctca gagcttcggc 180

cttccatttc gagcatgtcg atatattacg ggactcactc tgacgtccga gtaaaaagtt 240

attgtcgttt 250

<210> 6785
<211> 406
<212> DNA
<213> Glycine max

<400> 6785

tctcgacata tgatgcgccc gaatcggaca tctctgtgaa atgttatgac catttaaatt 60

tcgcgagagt tttcgatgtt taatttcgag cgtatcgata tattataagc ctgagtcgta 120

catccgtgtg aaatgttatg accatttgaa tttctcaaga gcttctgttg ttcaatttcg 180

agcctctcga catatgatgc gcccgaatcg gacatccgtg tgaaaagtta tggccatttg 240

aatttctcga gagcttccga tgtttaattt cgagcgtatc gatatattat aagcctgaat 300

cggacatccg tgtgaaaagt tatgaccatt tgaatttcac gagagattcc gttgttcaat 360

ttcgagcgtc tctatatgtg atgcgcctga attggacatt caagtg 406

<210> 6786
<211> 269
<212> DNA
<213> Glycine max

<400> 6786

ttgaattgga tgggctatcg attaagatgc ttcctgaaca aaacacattg cccaaaaatc 60

acttcgaggc gaagaagaat ttatgtcctg tgggaatgga atacccaaag atccatgcat 120

gcactaatga ttgcatatta tacagaaatc aagttgcaga aatgcataag tgccccacat 180

gtggggtatc atggtacaaa gtccaagata acaaatttgt tgatggtgca agcaaaagca 240

atagtcattt agcaaaggtg tgctggtat 269

<210> 6787
<211> 252
<212> DNA
<213> Glycine max

<400> 6787

tctacatcag acttctttca ggtgctggaa ctatttcaca tggacttgat ggggcctatg 60

caagttgaaa gccttggagg aaagaagtat gcctatgttg gtgtggatga tttctccaga 120

tttacctggg tcaactttat cagagaaaaa tcagacacct ttgaggtatt caaggagttg 180

agtctaagac ttcaaagaga aaaggacagt gtcatcaaga gaatcaggag tgatcatggc 240

agagagttga aa 252

<210> 6788
<211> 248
<212> DNA
<213> Glycine max

<400> 6788

tgcgagaaat tcaaatggtc ataactttga actcggatgt cctattcagg tgcataatat 60

atcgagacgt ttgaaattga acaatggaag ctcttgagca gttcaaatgg tcataacttt 120

tcactaggat gtccgattca ggcacataat atatcgagaa gctcgaaatt gaacaacgga 180

agctctcgag aaattcaaat gatcataact tttcacacgg atgtccgatt cacgcacata 240

atatatcg 248

<210> 6789
<211> 246
<212> DNA
<213> Glycine max

<400> 6789

tgggagcttc caagtgccaa ttcgtcttct tctttagtcc agtcttcttc tggcttcaat 60

tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120

gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180

tcatagttgc ttccatcaag aattggtggt ctgttcactg gtccgccttc tttctccatg 240

ttcatc 246

<210> 6790
<211> 303
<212> DNA
<213> Glycine max

<400> 6790

ctcaagctgg agtccatgcg tcacgttttg gacctttga tttacatgtt acaagctgtt 60

aatcccggtg atcatgcagt aagttaaact gtactgcttg gctttcttga atcctccgtg 120

ctactaagta aaataattaa atgtttggtt tttatgcttt gtaggctgta aaagacgaag 180

ttattattga tcttgttgac cgctgtcgca caaaccagaa aaaattgatg cagatgctaa 240

caactactgg gttagttcca ctcagctatt ccatctggca cacacccaaa tgtactgtgt 300

gtt 303

<210> 6791
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6791

tatgctgcaa atatttacaa tagacctcct caacctcagc agttaaatca accatcgcag 60

agcaattatg acctttccag caatagatac aaccctggat ggtggaatca ccctaacctc 120

agatggtcca gccctcagca acaacaacag cagcctgctc cttccttccg aaatgctgct 180

ggcccaagca gaccatacat tcctccacca atccaacaac agcaacaacc ccagagacaa 240

ccaacagttg aggcccctcc acaaccttcc ctcanagaac ttgtgaggca aatgactatg 300

<210> 6792
<211> 397
<212> DNA
<213> Glycine max

<400> 6792

tctgaacaat ttttcaggca actgcaggga ttttcaatac acctcttatg tcagaaactt 60

tgatcactta aaaggaaaaa acttagataa aaagagcatg ttttaaaaac aagaacattg 120

atagtcatct caccggatgc catgattcat cattttcagc atgaccatga tgttggtgat 180

gagtcctatg actgattctc ctgtataaaa tatcagtttc aaacatgaat tcaaaactaa 240

aaaaaagagt aaaatgtgtt tttatcccta caaatatctc aaaatttgat tttagtcttt 300

acaaaaaata atatattttt agtctctaca tttatcaaaa ttaatgtggt tttagtcatt 360

catcaagact aaaaaatctt attgttaaaa tgtagag 397

<210> 6793
<211> 400
<212> DNA
<213> Glycine max

<400> 6793

gcctattcta tgtgatttac caagcacacc atgatctttt aattcaagtt catctagttt 60

atcaccacct aacagaattt gtatctcaag tgctgggagc ctttttcact aacatgaact 120

aatctcaaat gccagagttt tgctttatca atcaacgtac tactagctac cgatgcatgt 180

ccaataatag tggaaccttc aagaataaac aagccattac ttttattctt gttaccctta 240

gctatgagta aagatacatt tgaaatctta agaacaccat ttggaattct agttgcatat 300

cctagatcat caaacatgtc tatggaaata agattcctct tgagctttgg aatgtacctt 360

acatttttca gtagatactc tctgttatca cacatcttca 400

<210> 6794
<211> 323
<212> DNA
<213> Glycine max

<400> 6794

taaacattct ctttcgagcc tccgtattat tattggactc aatctaacat ccgtgaaaaa 60

agttactgtc gttagaattt gctcacaggt tcaacattca atttcgagcg tctcgatata 120

ttactggagt caatcagata tccgagtaaa acgttattgt cgtttgaatt ggctcacaag 180

ttcaacattc aatttcgagc gtctcgatat gttatgggac tcaatcagac atcccagtac 240

aaagctattg gcgcttgaat ttggtcagag attcaacatt caatttcgaa cgtctcgata 300

tcttacggga ctcaatcaca cat 323

<210> 6795
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6795

tgtcacatgt tcatgcaaca attgttatcc gtggctatac gagacatctt gctttacaaa 60

ttcggttatc cataactcgc ttgtgctnnt tcttccatgc catatgtagc aaagtcgttg 120

atcctgtgaa agttgatgag ctggaaaatg atgccgcaat tatactgtgc tagttggaga 180

tgtatttccc cttgctttct ttgacatcat gattcacttg attgtgcatc tggttagaga 240

aatcaaatgt tgttggcctg ttatttgcgg tggatg 276

<210> 6796
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6796

gccagaatca gacatgcgag tgtatatgtt atgaccattn gaatttctca ggagctttcg 60

ttgttcaatt tcgaatttct cgatatatga tgcgcttcac tcagacatcc aagtgacaag 120

ttatgaccat ttgaatttca cgacaggtta tgttgttcaa tttcgagcgt ctcgatatat 180

catggggctt agttatacac ccgagtcaaa tgttatggct gcttgaattg cctagagcta 240

ccgtattcaa gttgagcgtc taatatatta tgccctaaat cggtattcga ttgaaggtat 300

gacctttgaa tcctcga 317

<210> 6797
<211> 320
<212> DNA
<213> Glycine max

<400> 6797

gcaacaattg ttagccgtgg ctattctata catgtagcca atttatgtca ggataacgat 60

aactcgcctg tgctctttct cccgtgctat atggagcata gacattgatc cagtcatgtt 120

tgatgagttg gaaaatgagg ccacaattat actgtgccag ttggagatgt attttccccc 180

tgctctcttt gacatcatgt atcacttgat tgtgcatctg ggcagagata tcaaatgttg 240

tgcgcctgtt tatctacgat ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg 300

ggatacaaag aatctatatc 320

<210> 6798
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6798

ncgatccaat tcatacganc aataactttg aatcggatgt ccgattgtgt cccatangat 60

atcgagacgc tcgttattga aaacggaagc tctaacaaaa gtcaaacgac aataacttnt 120

aacttggatg tccgattgcg ccctgtaata tatcgagacg ctcgaaattg aaaactgaag 180

ctctaagaaa agtcaaacga caatatactt taactcggat gtccgattga gtcctgtaat 240

atatcgagac gctcgtaatt gaaaactgaa tctctgagca aatacaaacg acaataactt 300

ttgactcgga tgtccgattg tgtcctgtag gatatcgaga cgctcgtaat tgaaaaccga 360

agctcggaga aaaatctaac gacagtaact ttaactcgga tgcctattga gccctgaata 420

tatcagacgc tctaaatgaa a 441

<210> 6799
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6799

cttggccatg ctggactcgt ttgttattga tttccttggc aatttgatgc ttagagacat 60

caatatctat ctctccatca gtaggtctgc ccagatattt gttgatcaca gcaggngaga 120

atctaacaca ctttcctctg acaaacactt ttggaaaatc atcacttttc ctgttggata 180

tgccaaaggg atggtggaca atgaattccc tgactaggcc ttcataacag cctcccaact 240

gggggactgt cttcagtagt ccagcagcct tagaagagtg tccatggtct ctttgcaatc 300

caaggcatct cttcacagtt ctctttcacc cgcaagtctg cggtgataca catatttcca 360

cttctcaaca 370

<210> 6800
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6800

aaacgtntac atataggata agatctttaa aaccagtgca agaccagaca atttatttca 60

tgttaatatt attgccaaaa aaagttattg tttatttgaa aagtatattg tatgtgaatt 120

aaaagaatct tgattgttgg agaaagcaac tttagattga ggagaaattt tatcaagcta 180

cagacatata ctccaaatat aacaaattag aataatgata agcaaagtaa actaagtaaa 240

aaaaaaacac cttcttttcc ttcgcaatct ttgagagctc ttcaattatg taacctttg 300

ctcgagcatc ttcacagaga gaattgaagt ccatggatat accattntct tgggcccaat 360

gttcaagtgc ttgcttaact gggttaacaa cagccacaag gataggcctc aaactgtttc 420

ataaacccat atc 433

<210> 6801
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6801

cttctatctt tttagcatat ctnttcaaat attnttcaat atttttgcat ntttaagttg 60

tgttgtgaca ttatntcttt aatatgattt gaacatctaa attttttttat catcatcata 120

tcggtgtaaa gtattcactg actctatata taattaatct ccactaaaaa ccaacctaat 180

aacactaatt gattcaaatn tacactatat tcaaattaag aaatgctgca gagttatttt 240

aaaattattt aattatatat aatagtggta gtgaaaagta cacaattatt aagaagaatt 300

tccttacaaa aattgaataa aaaatacatt taaaatataa tctcttttgc ataataagag 360

tatatatata tatatatata tatatatata taattatata tatatc 406

<210> 6802
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6802

ttgtcgcatg caagcttata gaaatgaaat ggcataactt ctaactctga tgtccgatgc 60

agacacacaa catatcgaga cgctcagaag tgaacaacag aagctctcta gaaattccaa 120

tagtcataac tgctcacaca gatgcccgat gctgggacat aatatatcga gacgctcgaa 180

atagaacatt gaaagctctc gagaaatcca aacaggccta actnttcgct cggacgtccg 240

actcaggagc ataacatctg gagacactca aaattgaaca gcggaagctc ataa 294

<210> 6803
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6803

cctctaaatg agctacaggt gtataagttn ctntgtagtc tatnccttct tgttgtgagt 60

attctttagc aactaacctt gctttgtttt tcacaacctt tcaaatttca ttcagtttgg 120

tttgaaagac tcattactct ccaatagctt tctttctttt tggaaattcg actgactttc 180

aaacatcatt cctctgaaac tgatcaagct acttttgcat tgctgtaacc caattgtcat 240

cctgcattac atcatcaatg tcgttgggtc tcatttcaga aatcaatgca atatgctctt 300

atgttctgag tgatgatcct gtataacatg atcaactaga tcaccaataa ttgacttttt 360

ggatgattct ttatgatgca ttcaggggtc ctcttacc 398

<210> 6804
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6804

agcttattgt atatgagtgc atgtccaatg gatgtttctt atgatgacct atactctagt 60

gataagaaaa aggaaccact aacatggaaa cagaggctaa agatctgcac aaaagcagca 120

catgaccaca ctactntgac acatgtgtca ttaggccgat gttaaaactg ctttttgtag 180

tagtgttgga tatatgatct ctaagaaaat gatgtcttat ctctatatgt ttgggtctag 240

aatgcatgat aggaatttta gatagattga taacacttgt gttgtcacat ttcaagggaa 300

tatgatcaag gactaatatc ttgcacacaa gcaaacacta agcataatat ttggtcaact 360

gtagttaagt aaagaagtga ccaattatac ctctatacct tgactcataa aatgatttac 420

atttctcatc ta 432

<210> 6805
<211> 361
<212> DNA
<213> Glycine max

<400> 6805

cacaacaggg agtgaagatt gctgaaaacc ctagccttgc aacaagtcct atggaagtag 60

acacggagat ggacaagata atccgcagta ttgtgagtag cattttaaaa gacgcctctg 120

ttcctgaagc tgatgaagat gttccaacat cttccacccc gaatggttct gtgcctgatg 180

ttgagaaaga tgttccaaca tcttccggcc caaatgctga agtactctct tcccccagca 240

aagagagatc aacagaggaa gatgatcaag cgacaaagga gacccctgca ccaaaggcac 300

cagaacctgc tccaggtgac ctcattgacc tggaagaagt agaatctgat gaggaaccca 360

t 361

<210> 6806
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6806

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cattataatc acaacttatt taaaaactaa aaatcttgca atctatccct agcaatgcaa 120

ttatctagcc ttgctctatc aagttctaag gaaacagtac acttcccagt tcctaacagt 180

acacaccaat gggtgatcag accataagca tgcaacagta aagcatcgat agaagcaatg 240

aaaacatgaa acacactngc tagtgtttag ctctactgag ctttaaaaga ttggctaaga 300

ttttggtaaa acataagcac ttatacaatg aaggaaagct ggagttgctg cacatgatgt 360

ccaacgttat gtcaaggaat aagatctggc tgacaacgta caaagcaaga taaaatggca 420

natgaagaat cgaagttgca ggatccacga tgtcggatac aatgtcctga ca 472

<210> 6807
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6807

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tttgcatagg tacaagagcc acgattatgc acttgaataa atatttgatg gatgttgatt 120

gattgcacca ttctatgttg aggtaatctt gatatttcaa taataagttt ggattgtatg 180

gcactacata tctattgtct agggctatgt gatttttctc aatatatttt ccatcattac 240

gcctttcata aactcaatat ccatcttggt caacaacagt ttcaggttgc caatttttg 300

aaaaaaaatc tagaacactt gccatctttc atgcatggca actttctgtt agcattacca 360

catatgccat gcatcatatg tgatgtagct ccatgtggag cttgtaggcc ttggatc 417

<210> 6808
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6808

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catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120

tttcacattg tctgctctac catgaaaccc ccagatgtcc aagaggatca catatttctg 180

aaagcttttc ctcattcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240

aggtccatca cgagctgnga tgaccttaag agagtattct tagaaaatat ttccctgctt 300

ccaggaccac agtcatcagg aatgatat 328

<210> 6809
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6809

agctatgctg anacattata atagacctcc tcagtatcaa aaccaacaac agtagaataa 60

ttatgacctt ccaagcaaca gatacaatcc aggttggagg aatcatccan atctgagatg 120

gacaagtcct ccacaacaac atcagtctgt cctttctttc cagaatggtg ctggtccaag 180

caagccttat gttcctcctc caatgcagca acaacaaaga caacaagcag ttgaggcccc 240

ttttcaacct tccttagagg agttagtcag gcaaataacc atccagaata tgcaatttca 300

gcaagagaca agagcctcca ttcagagtct gacatattag atggtgcaga tg 352

<210> 6810
<211> 330
<212> DNA
<213> Glycine max

<400> 6810

tgagggaaaa cttgatgcct tggttattct agtaactcag cttgccataa atcataactc 60

agcttgccat aaatcagaaa ttctgctgat caccatacag atctctgtcc ttctttgcag 120

ctatctggag tcaatgagca acttgaagcc catgctgcaa acatttataa tagactccct 180

cagcaacaaa accaacaaca acagaataat tatgatcttt caaacaatag atacaatcca 240

ggttggagga atcatccaaa tctgagatgg gaaaatcctc cacaacaaca acagcagcaa 300

caacaacagt ctgtccctcc cttccagaat 330

<210> 6811
<211> 343
<212> DNA
<213> Glycine max

<400> 6811

tgcacttgag gccaacaagg gagattgacc attcttttg cctgaaagaa ccaacgacaa 60

tgcttacaaa gtcgagctgc ccggcgagta taatggtaat tccaccttca atggccctga 120

tccatccctc ttttgatgca catggagaat ccgaatcgag gacaaacccc ttctcaagaa 180

ggagagaatg atgaggacat gttcaagagc aagggccagg atccactcga aggaattgga 240

ggacccatga caagggctac agcacggaaa gccaaggaaa gcctccaaca agtggctgcc 300

atactatttg aatacaagcc cacagctcaa ggagaaaagc cca 343

<210> 6812

<211> 238
<212> DNA
<213> Glycine max

<400> 6812

agcttttatt taaggttcgt tcctaattta tctacaattg catcacctct caatgagctg 60

gtgaagaaga atgtggcatt taccttcggt gaaaaacaag agcaagcctt tgctttgctc 120

aaggaaaagc ttactaaggc acctgttcta gctctttctg actttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcacc 238

<210> 6813
<211> 341
<212> DNA
<213> Glycine max

<400> 6813

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tcttacctat atagttgatt tattttaaaa ctcgaacttg actatatata aattataaca 120

ttatatattt atatttagaa gctcctaaaa aatcttacta aatataatct ataaggtgtg 180

ataccaatct tttaatatca aacctataag gtttgaacat atttcaagta tacatttaaa 240

cttatttaat tattaaaaca aaaacttgaa caaatattta ttgatttgaa cttaataatt 300

atgaatgact cagttcattt ccacttttg acaccatcat c 341

<210> 6814
<211> 235
<212> DNA
<213> Glycine max

<400> 6814

agcttttttgg ttcaattacg agcgtctcta tatattatgt gcctgaaacg gacatccgaa 60

tgaaaagtta tgagcatttg aatttctaga gaacttccat ttttcaattt tgagcgtctc 120

gatatatcat cggcctcgtt cgtacatcca tgtcacaaga tatggccgtc ttaattggac 180

aagagcttcc gtgttgaatt tcgagcgtct cgataaatta tgtgcctgaa tcgga 235

<210> 6815
<211> 235
<212> DNA

<213> Glycine max

<400> 6815

agctttttga atgtatatat tttaatttgc acacgcaatt atgaatcagt gaatacaagg 60

aagagaatca agcatacata ctgatgaaat ttgatgtcct ccaagtcaat tgattttccc 120

ttggtcgttc taccttgtgc ctctaataat actctatcat ttaacccaag tttacactca 180

ggcataccac tgcattgtac aaaccatgga ttgaataata ctctagcaca gaatt 235

<210> 6816
<211> 343
<212> DNA
<213> Glycine max

<400> 6816

tgggatgaaa caagtgtgat tcatcataaa ttttatctct gctgagaaga aatttctttt 60

cggatagtga ccagatccta tagcctttca ccccatcacc ataacccatg aacagaccct 120

ttcttgatct aggtatcagt tttccttcat tgacatgata ataagcattg cagccaaata 180

ctcctaggtt tgagtagttt gctgtttttc cattccagat ttcaatagga gttttaagtc 240

ctatagcagt agagggtgtt ctattgatta gaaaacaagt tgtattgata gcttctccct 300

aaaaacttct gttgagacca acattggata gcaagcatct tgt 343

<210> 6817
<211> 330
<212> DNA
<213> Glycine max

<400> 6817

tttgttgttc aatttcgagc gtttcgttat attatgtccg cgaatcggat atcctatgaa 60

aagttatgac catttgaatt tctcgagtgc ttccgttgtt caatttcgag cgtctcgata 120

ttttatgtcc tcgaatcaga catcggagtg aaatgttatg agcatttcaa tttgtcgaga 180

gcttccgttg ttcaatttcg agcgtatcga tatattatgt ctccgagtcg gtcttcattg 240

tgaaaagtta tgaccatttg aatttctgga cagcttttgt tgatcaattt cgagcgccta 300

gatatattat gtccgcgaat tagacatccg 330

<210> 6818

<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6818

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ctgcttcaag cgcataatat accgcgacgc ttgatattga acaacggagg ctctcgagaa 120

agtcaaatgg tcttaacttg tcacacggaa gtcgagattc acgcgcgtaa tatatacgcg 180

aagcttgaaa ttgaacaacg gaagctctcc taacatatga atggtcatta catgttacag 240

ggaagtagaa ttctagcgca taatataggg acactctcga aattgaacaa cggaagctct 300

cgagagattt aaatg 315

<210> 6819
<211> 237
<212> DNA
<213> Glycine max

<400> 6819

agcttttcgt tatattatgc accttaatcg gacttccgtt tgaaaagttt tgaccatttg 60

aatttctcaa gagctttcgt tggtcaattt cgagggtctt gaaatattat gcgcctgaat 120

cggacttccg tgtgataagt tatgaccatt tgaatttctc gagagcttcc gttgtttaat 180

ttcaagcttc tcgatatatt atgcacctta atcggacttc cgtgtgataa gttatga 237

<210> 6820
<211> 238
<212> DNA
<213> Glycine max

<400> 6820

agcttttcat ttattcaaat ggtcataact tttcactcgg aggtccgatt caggcgcata 60

agatatcgag aggctcgaaa ttgaacaacg gaaggtcgcg agaaattcaa atgctcataa 120

cctttcacat ggaggtccaa ttcaggcgca taatatatcg agacgctcaa aattgaacaa 180

tggaagctct tgagcaattc aaatggtcat aaccttacac tcggaggtcc gattcagg 238

<210> 6821
<211> 350

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6821

tagctacaca cactcatcta ttaacttagc ttaccttcnn gacaaaatac atgaaaatac 60

aaaaaaaaaa gtccctacta caaagactac ccaaaatgcc ctcaaataca aggctaaaac 120

cctatactac aagaatggcc aaaatacaag gcccaaaaga aggaaaaacc tattctaata 180

tttacaaaga taagcgggct cgtacttagc ccatgggctc gaaatctatc ctaaggctca 240

tgagaatcct agggccttcc cttggatctc tagcccaatc tacttggagt cttctaccca 300

atgcccttgc ggggtaggat tgcatcaatc ttgatacata taaagcaagc 350

<210> 6822
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6822

ctcaagcttg gagataccat cattttcata ttattctaaa gttntttccc gaatacttcc 60

aaaaaatgcg agttgtatac tcactaaata atatcaaagt tttgaggaaa agaagaaaag 120

aatataatgt caaactaaat ggaaaatgag attgtccaaa atcctaacaa tgattgatct 180

ccaatatcaa atttaaggta aagacaaatg ctagcgctaa ttttatgtaa ttctcattaa 240

ataaagagtg aagtaattaa attatttaat aaaaattaca ttttatctaa taatataaaa 300

attgtgctgt taacttttt tagaaaaact aagcattttt aaatattat 349

<210> 6823
<211> 350
<212> DNA
<213> Glycine max

<400> 6823

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aaataggcct cctattttca atggagtggg ttaccattac tggaaaaccc gtatgcaaat 120

ttttatagag gcaatagatt taaatatttg ggatgcaata gaagtagggc cctatattcc 180

cactatggtg gcaggaagta aaaccataga aaagcctagg gaagaatgga gtgaagaaga 240

agagagatta gtgcaataca acttaaaagc caaaaatata attacatctg ccttaggaat 300

ggatgagtac tttagggtat caaattgtaa aagtgcaaaa gaaatgtggg 350

<210> 6824
<211> 336
<212> DNA
<213> Glycine max

<400> 6824

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atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaatgg tcataacttt 120

tcactcgcat gtccgattcg aggacatatt atatctagac gctagaaatt gaacaacgga 180

agctctcaag aaattcaaat ggtcataact tttaactcgc atgtccgatt caggcgcata 240

acatatcgag acgctcgaaa ttgaacaacg gatgttctcg agagattcaa atggtcataa 300

cttttcactc gcatgtccga ttcacgcgca taacat 336

<210> 6825
<211> 230
<212> DNA
<213> Glycine max

<400> 6825

tagctttctt tgttgaatat ctagtgtctc gatacgcgat gcacctgaat cggacatgcg 60

agtgaaaagt tatgaccatt tgaatttctc gagagcttcc gttgtaaaat ttctagcgtc 120

tcgatacgct atacgctgaa ttggacatgc gagtgaaaag ttatgaccat ttgaatttct 180

cgagaacatc cgttgttcaa tttcgagcgt ctcgatatgt tatgcgcctg 230

<210> 6826
<211> 344
<212> DNA
<213> Glycine max

<400> 6826

tgtaacaccc cgacgaatta caccaaattg agtaggatct ggagtctgtg tatgtatgag 60

attgtatagt taagaataac ttaaaagaat taattgatac tacctatacc aacaaaatac 120

atctcttttt tggtagccct cacttaagaa cttcatagtt aagtgtgatt tccttgaagt 180

agttatggga tgagtgacct tctgagaaat tttctagaat atgtgagtga tgacaaaata 240

tgttgaaaag tctcgtgttg gtttgtggag ttagttattt atcttgaaag cagacatggt 300

tgaatttcaa ggttttggaa agggctacct acaaaggatt ctga 344

<210> 6827
<211> 231
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6827

agctcaattc tttatnntga gcgtctcgat atattacccg attcaatcgg acatccgagt 60

aaaaagttat tgtcttttga atttcctaca agcttccgtt ttcaatttgc aacgtctcga 120

tatattacag gactcaatcg gacatccgtg tataaagtta ttgtcaattc aattttctca 180

gaacttcgga tctaaatttt cagcgtctcg atatattacg ggactcaatc a 231

<210> 6828
<211> 351
<212> DNA
<213> Glycine max

<400> 6828

tcagaattgg ttaagcatgg cttatttggt gatcgatcat ctttgtaatg agtttgaggg 60

cacgtacagg ttcaccgatt gggacaccat tcttttctcc acttttcttg tatgaaccct 120

ctgttctgga gatcccgggt cctggtttac aagcggagta catgcaatct tggacataaa 180

aagccgtgta gtaattgacg ccaatgaaat ccaatcctct cttgagtttc tctttttcgt 240

agctggaaaa tttgggcaag aggcttccaa gaacgttctc catctctgta gggtactttc 300

cgaatatgat tgggtccaag aacctgcatt ataataaagt gttactctgg g 351

<210> 6829
<211> 238
<212> DNA
<213> Glycine max

<400> 6829

agcttttatt ttttatacaa gaatgaagct ctgataccac ttgttggaca agtggcctca 60

gatatcttaa gaaggggggg ttgaattaag atatcacaaa ttatttcccc aattaaaaat 120

tctatttaac tttctattca agttataaat tcccttaata atgaatttct taaatattga 180

ttcaaataga acaatttgaa tatgaatata aaacaataat aaataaagga gtttaagg 238

<210> 6830
<211> 238
<212> DNA
<213> Glycine max

<400> 6830

agcttttatt tttggttcat tcctaatttc tctacaattg catcacctcc caatgagctg 60

gtgaagaaga atgtggcatt tacctgggtg aaaaacaaga gcaagcgtta gttttgctca 120

aagaaaagct tactaaggca cctgttctag ctcttcctga cttttctaaa acttttgagc 180

tagaatgtga tgcctctaga gtgggagttg gagctgtatt gttacaaggt gggcaccc 238

<210> 6831
<211> 342
<212> DNA
<213> Glycine max

<400> 6831

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cggagaactc cactctgaaa atgtggtgca tcactaccaa aattatcttt tttattctga 120

tggttcatgt cagtctcttt gtcttgatta accacagaat ttagcatttc attactgttc 180

ccaatcctca caagatcccc agaactagct ctcagatctc tcactgaagt atccctataa 240

aaatacacaa tgagttgaaa ataaaaatag aacttccttt ctctaaatct tgcactttta 300

caattataaa atagaactgc aataatatta agcaaaaaaa ag 342

<210> 6832
<211> 235
<212> DNA
<213> Glycine max

<400> 6832

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cattggtacc ttggtaatta gattatttct cccatctctg atggaaagac tagaatcttt 120

catgtgaata tcatagcctt ttttgagtaa ttgtcccaaa ctcaaaatat tgttcttcat 180

atttgggacg tagtagacat ttgatatgaa ttcatgtctt gcatccttca aatgg 235

<210> 6833
<211> 238
<212> DNA
<213> Glycine max

<400> 6833

agcttgtttt ttgatacatt gatcattcgt ttgtgttgaa gctgctcgac ctttttgact 60

cagaagacca aagagagagg gattacctga agactatcct ccaccgtatt tatggaaagt 120

tcatggtgca tcggccattc attagaaaag ccatcaacaa tatcttttac aggttcatat 180

ttgagacaga gaaacacagt gggattgcag agttgcttga aatattgggc agcataat 238

<210> 6834
<211> 349
<212> DNA
<213> Glycine max

<400> 6834

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aacaattatg acctctccag caataggtac aatcccgggt ggaggaatca tcccaacctt 120

agatggttga atccttcaca atagcagcaa caattttaga atgttgctgg cctaagcaga 180

ccatacgttc ctccaccaat ccagcaacaa caacaacaac aacaactacc ccagaaacaa 240

caaacaattg aggcccctcc gcaaccttcc cttgaagaac ttgtgaggca aatgactatg 300

caaaacatgc agtttcaaca agagacgaaa gaaaagaatc cagtaattg 349

<210> 6835
<211> 344
<212> DNA
<213> Glycine max

<400> 6835

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ctctctgata tttatcaaag atgtaatgtt gctgtaatgg agcctgtaga ctacaatgaa 120

gctgcaactg attcgaagtg ggtaagtgca atgaaggagg agcttgatat gattgaaaaa 180

catcaaacat gggagctcac ggagaaacct aaagataaaa atgtcattgg agtgaaatgg 240

gtttatagaa ccaagcttaa tgttgatggt tctgtaaaca aacataaggc gaggcttgtt 300

gtgaagggat atgcgcagat gttcggggta gacttctcag aaac 344

<210> 6836
<211> 336
<212> DNA
<213> Glycine max

<400> 6836

tgccgccacg gagttttccg actatgttct tgtgtggtgg aagtgattat gcaagttgaa 60

gtggacgttt ccattgggaa atacaatgat aaggtacttt gtgatgttgt tcctatggag 120

gccagtcact tacttttggg gagaccatgg caatttgata aaagagccaa tcatgacggt 180

tacaccaaca agatctcttt cattactttt ggtgttgcat aaaaaatgta caatgtaggt 240

cggctaggtt tttttgtgcg agctcaaccg acattttgtt tcggccgaaa ctggcatgtt 300

cccatttatt ttggccagga aaacattaac ccacct 336

<210> 6837
<211> 234
<212> DNA
<213> Glycine max

<400> 6837

atttttctgt aaattcgaat ggccataact tttctcacgg atgtctgatt ttgggacata 60

atatatcgag aagctcaaaa ttgaacaacg gaaactctcg agaaattcaa atggtcatga 120

ctttttattc ggaagtccga ttcagggaca taactcatct agacgctcaa aattaaccaa 180

caaaagctct cgagaaattc caatggttat cacttttac tcgattcggg gaca 234

<210> 6838
<211> 345
<212> DNA
<213> Glycine max

<400> 6838

ttaggcctag ttagttacct ttggtgtgct taaatggata atctggtggg aagtgaatgg 60

tcaccaggaa tacaccacca gcataaggac tgtcagttgg acccataatt gtagcttgcc 120

aatgaaacat gtcatcacca acagggccta ctcaagaatg gaatacataa gattcatgat 180

aagcttccca tagatacata actacaaggt aatattcaat attacatatt gttttccatt 240

tttatatgta actaaacaaa ccctacttag ttgttgggcc tacatgaacc gtttatcaaa 300

acatcataac ctatctacat atagcttctg ctactctcaa ccaag 345

<210> 6839
<211> 235
<212> DNA
<213> Glycine max

<400> 6839

attttttttcc ttaggttgtt ccatgttgct catgttgttg ctctccttat ctctaattga 60

tagaactctc aaacctaggg ggttgttcca catagacttc ttccttaata attccattaa 120

ggaatgcact ttttatgtcc atttgataca acatcatgtc ataatagcat taaagaatag 180

taaaatgcgt agccttcctg ttgtgaataa cctttggcca taagcctagc cttgt 235

<210> 6840
<211> 338
<212> DNA
<213> Glycine max

<400> 6840

tgaaatcatt gagttccaac atttactatc tttttcgaac attcctctga agaattcgta 60

agcaatatcc agtcttccac attttgcata catatatgtg atggcagatc ccacatcaac 120

tttgctctcc aatcctttct ttagaatatc acaatgcaac acctttagaa atacaaggtt 180

gacctggcag ttggaaaaga gtgaaaggag aagggaagaa agagaggtca cggttttgaa 240

tcctccaact gacatttcta ataaaaacta acaaattaac atttgttgat aaaaaataac 300

aaaaaacaat gcaactcctt ccctaatttc agagcagc 338

<210> 6841
<211> 342
<212> DNA
<213> Glycine max

<400> 6841

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aaacccccttg agctacttca cattgattta tttggtccct ctacaacttt tagttttggt 120

ggtaattact atggcttagt aatagtggat gattactcaa ggttcacatg gaatttttt 180

ttgaaaacca aaaatcaagc ttttgattct tttcgcaaac ttgccaaggt gattcaaaat 240

gaaaaggtct caacatcgtt tcacttagaa gtgaacatgg aggtgaattt aaaaatgagt 300

cttttgaaaa tttttgtgaa gaaaatggaa ttcaccacaa ga 342

<210> 6842
<211> 348
<212> DNA
<213> Glycine max

<400> 6842

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actggtggaa tttcatgtga agaagcatcg atggcagaat atcttaatct tgttatatat 120

gtttacgtat ttttaaaagt acattttagt taaaaaaata tatttaataa actataatag 180

ctatataaga aatttcaaaa ttaaatagtt ttaatagttt ttagaagcta aaagaaactt 240

taaaaaattc ttaaaacaat ataatttaaa atattttgag ttaaacttta taaagatttg 300

atgttcattt taaatataac tttcccagaa acttatataa atatttgg 348

<210> 6843
<211> 361
<212> DNA
<213> Glycine max

<400> 6843

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atgtcgtaag caaagaatac ccgccagaga ttgccgacaa cgataaaagg acattgagga 120

ggttggcagc cggtttcttc atgagcggaa gcatactgta taaaagaaat cacgacatga 180

cactcctgcg gtgtgtggat gccaaagagg caaatcacat gatcgaagaa gtccatgagg 240

gctcgtttgg aatgcacgcc aacggacatg ctatggccag gaagatccta agagcaggtt 300

attactggct taccatggaa agtgattgtt gtgtccatgt gaggaaatgc cacaaatgtc 360

a 361

<210> 6844

<211> 236
<212> DNA
<213> Glycine max

<400> 6844

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tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatttttga tgccatattt ttacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtc 236

<210> 6845
<211> 238
<212> DNA
<213> Glycine max

<400> 6845

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tattccaaca ccaaaatcct cacattcaat ttcaaaagct ttatcaaaat tacgcaaaca 120

aagcaaaggt gcattggtta gcttatcttt caataaatta aaagctttct tatgcacatt 180

agtccacttg aacaccacat tctttttgac aagttcattt aaaggtgcaa caagtgaa 238

<210> 6846
<211> 337
<212> DNA
<213> Glycine max

<400> 6846

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agtcccgaag aagaccggcc tcacaatgat aaaaaatgag aaggaggaac tgattcctac 120

tcgggtgcag aaccgttgga gagtctgcat tgactatagg aggctgaacc aggttaccaa 180

aaaggaccat tttcccctgc cattcattga tcagatgctt gaacgcctgg caggtaaatc 240

tcactactgt ttccttgatg gtttttctgg ttatatgcaa attactattg ctcttgagga 300

tcaggaaaag accacattca cctgcccctt cgacact 337

<210> 6847
<211> 239
<212> DNA

<213> Glycine max

<400> 6847

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gtaccatgag aggacaaagc acatatatgt gaaactacac ttcattagat atgtgattga 120

atctgagaag gtgaaggtgg agaaggtttc aacagaagaa aactcagctg atatgttcac 180

aaagtccctc tctagtgtca agttcaagca ctgtctggac ttgataaatt ttgaagatg 239

<210> 6848
<211> 339
<212> DNA
<213> Glycine max

<400> 6848

ttgaggattt tcaaacgaca ttaactttgt actcggatgt ctgattaagt cccgtaatat 60

atcgagacgc tctaaattga atgttgaagc tctgaccaaa ttcaaacgac gataaatttt 120

tactcggatg tctgattgag tcctgtaata tatcgagact ctcgaaatta aatgttgaag 180

atctaagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgagac gctctaaatt gaatgttgaa gctctgacca aattcaaacg acgataactt 300

tttactcgga tgtctgattg agtcccgtaa tacatcgag 339

<210> 6849
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6849

atttttaaca ttcaattncg agggtctcga tatattacgg gactcaatcg gacatccgag 60

aaaaaagtta ttgtcatttg tatttgctca gagcatcaac attcaatttc gagcgtgtcg 120

atatattacg ggactcaatc ggacatccga gtaaaaagtt attgtcgttt gaatttgctc 180

agagcttccg tattcaattt caagcgtctc gatatattac aggactcaat cagac 235

<210> 6850
<211> 338
<212> DNA
<213> Glycine max

<400> 6850

tttgaactag tctactacat tttccctttt tattcaaaat gctacaacac ctaaagcttt 60

ccttagcttc tcaaatcttt caatctttgc tgccttagtc atcacatcta ttactcgtga 120

ttcagtagga caatagacaa ctttgatcac acttttgttc acttgttcct ttagaaagtg 180

aaattttgtc tcaatatgct tgctcctttc atgggagact ggattcttgg ccaagtcaat 240

tgcaaattta ttatctacaa acaattttat aggcttcttc aacttgatcc tcaattctgt 300

tagtaatgaa tcaagccaaa tagcctgaca agcaacaa 338

<210> 6851
<211> 333
<212> DNA
<213> Glycine max

<400> 6851

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gttgagctgc ccggtgagta taatgttagt tccaccttca atgtctctga tttatctctt 120

ttttgatgca gatggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180

tgaggacatg ttcaagagca agggcaagga tccacttgaa ggacttggag gacctatgac 240

aagggctaga gcatggaaag ccaaggaagc tcttcaacaa gtgctgtcca tactatttga 300

atacaagccc aagtttcaag gagaaaagtc caa 333

<210> 6852
<211> 393
<212> DNA
<213> Glycine max

<400> 6852

agcttctata gaaggttcgt tcctaatttc tctacaattg cctcacctct caatgagcgg 60

gtgaagaaga atgtggcatt ttcctgggtt gaaaaactag agcaagcctt tgctttactc 120

aaagaaaacc ttactatggc aactgttcta gctcttcctg acttttctaa aacttttcag 180

ctaaaatgtg atgcctctgg agtgcgagtt ggagctgtat tgttacaagg tggacaccct 240

attgcttatt ttagtgaaaa acttcatggt gtcaccctca actaccccac ctatgataaa 300

gagctttatg ccttaataag agccctctaa acttgggagc attaccttat ttccaaggaa 360

tttgtcattc atagtgatca tcaatcactt atg 393

<210> 6853
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6853

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ttgctgatgg cttcttgccg ttccaagctt caattggagt cttgtctttt atagacttag 120

ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180

gtagtccctt ttccttgagc atcgatctag ccatctccat aattgtgcgg atctttctct 240

cggacactcc attttgttga ggagaatatg cgactgtaag ttgtctctca atgccttcat 300

cctcacaaaa tctttcaaac tcgcgagagg tgtactctnt gtcgcgatca cttcttagta 360

cttttatccc gtttccac 378

<210> 6854
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6854

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acagctgcac ctctttcata tttgattttt ggaccataga tttggacaag acttgctttt 120

tcacacccat cagaagcacg caacttcagt tgcagtaatg aggtaacaag ccaatttatc 180

aaaaaccgaa gtctaagtgc agttttattg agaccaagca tattgacatg atcgatatgt 240

cgacatatta tctctggttc cttcctgccc cagtcctgtc catcaccata ttctccatca 300

cttgtcacct cttcatcatc aaagctagtt gcagacatgt cccctggctc tagggtctgg 360

cttaggtact ctttatgatt atcttccatg ct 392

<210> 6855
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6855

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tttacaatat ggtatgagga gaacaatgaa gtcataaatc agtccaaaac gaataaaaaa 120

acacaatatc attcaaacaa aatgtacaaa gactcatata acattatata aataaaacat 180

taaaaagaac aaatgagtat aaatcttttc tgcatagcca aagaaaatct taaagtacat 240

ttggggattt aaccaaacac gtagctttca acccacaaag tagtacaaaa taaaatcaaa 300

taaatattta tctatttctc cataacccat caataaagcc acaccaaaat caatggaaca 360

ncananacta ataatatcat atgaatg 387

<210> 6856
<211> 394
<212> DNA
<213> Glycine max

<400> 6856

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcagag aaaaatcaga caccttgaa gtattcaagg 180

agctgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac aacaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagctatt acaccacaac aaaatggcat agttgaaagg aaaaacagga 360

ctttgcaaga ggctgctagg gtcatgcttc atgc 394

<210> 6857
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6857

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gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

atttttgaaa gtttggcaac gcaagtatgg gtgcattaga tagcttttcc ttaagaacat 300

tgaaagcttc ttcttgtttc tctccccatt tgaaaccagc atttttcttg agcacttcat 360

tgagaggtgc tgccaatgtg ctaaaatcct tcacanaaag tctataaaa 409

<210> 6858
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6858

tgccttgccc cttgatatat ttgagggact catgttcact attaatgaca aattccttgg 60

gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

atttttgaaa gtttggcaac gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300

tganagcttc ttcttgtttc tctccccatt tgaaac 336

<210> 6859
<211> 391
<212> DNA
<213> Glycine max

<400> 6859

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ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt atggggacat taattagctt ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360

tcattgagag gtgctgccaa tgtgctaaaa t 391

<210> 6860

<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6860

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caaagggaga aagatagttg tcttcgaacc cggagattga gtttgggtgc acatgagaaa 120

agaaaggttt ccggaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180

agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccggtg agtataatgt 240

tagttccacc ttcaatgtct ctgatttatc tctttttgat gcagatggag aatccgattt 300

gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360

ggatccactt gaaggacttg gaggacctat ngatgangac atg 403

<210> 6861
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6861

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atatattcag atccttgaaa ttgaccacgg aagctctcgg caaattcaaa cggccataac 120

gtttgactcg aatgtatgat cgatgcccat gatatatcga gacgctcaaa attgaacaaa 180

agaagctctc gagaaattca aatggctata acttttctct cggatgtctg attcacgtgc 240

atcatatatc gagacccttg aaattgacca ttgaagctct cgacaaattc aaacggccat 300

aacttttttac tcgaatgtat gatcgacgcc catgatatat cgagaccctc aaaattgaac 360

aacgaaagct ctcaaaaaat tctaatg 387

<210> 6862
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6862

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tttgtgaatg tccacctcac ctacgaagca gaaaatcttt cacgaatgac aacacttgat 120

tgagttctcc aataaaattc gaaaccaaat tctcttgctg ctactagaaa agccctttcg 180

tcagttagct gattcaacca gttaccattc ctaagggaaa aaccaaatcc ctttagagca 240

ggctttcgaa ctaataaaag atatcaatat aaggacagta catgatataa tccatctttn 300

ctttctattg tgcttctttt tgaaggagat ctggtagaaa ttctgcatga ctttgctgtc 360

atgtccagtg aaaatgacca ctccatagac atgatca 397

<210> 6863
<211> 239
<212> DNA
<213> Glycine max

<400> 6863

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ctgaagtcag aatagttctg attcttatag gtttcacaac tagggaaaat gtttctttga 120

tatcaaaacc aggttgttga tggaagcctt ctgctacaag acgtgccttg tacttactga 180

cagacccatc tgaattatgc ttgactctaa aatcccgctt gcaaccaatt ggttgcctа 239

<210> 6864
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6864

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atctaataat tttcacattt atgtctaatt gccattttac ttcattgtag taaatcttta 120

aggcatccat tgcctaagaa atctcgggca gtaagtagac ataaccataa cgtgaataat 180

catcaataat ggtgataaag tatctttcct tttcgaagag ctaacatcaa aaggtccaca 240

aatatcagta tgcacaattt caagaagcag agtgcttctt gtagctcctt tctttgtatg 300

ntttgattat tgtcccttaa tacaacccac acaaatattt agatccgtaa agtctagata 360

agagagactt tcattcttta ttaatctttc catcct 396

<210> 6865

<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6865

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atattggtaa tcgattacca atgtatctga acattgaaat tcaaattcaa ttgtgaagag 120

tcacatcttt tcataaaatg ctttgtgtaa tcgattacat ggttttggta atcgattatc 180

agtgacaagt tttgaataaa aatcaagaga tgtaactctt ccaatggttt tctcaagatt 240

ttctcaaggt tataactctt ccaatggttt tcttgaccaa acatgaagag tctataaaag 300

caagaccttg acttgcattt caacaattct tacaatcttt ntgaacatct ttttgaactt 360

cttcttcttc ttcctttgcc aaaagctttc taag 394

<210> 6866
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6866

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tcaccctcat cggttcccca ctgcaccttc accaacgcga tctcctttcc tctcaacgac 120

ttcatccttc ggtcagtgat cttctgaggt tgtgctctat aggtgaggtt atccttcacc 180

tgtacctcgt ccactgcaag tatatgtgat ggatctgggt tgtaccgtct cagttgagag 240

acatgaaaca caggatgcaa attcgataaa ctcggaggta aggcgatatg ataagctaca 300

ggcccaatct tcttcanaat ctgatatgga cctagatact ngggtgtcaa cttcctagcc 360

ttaagagctc ttccgactcc agttacggga gaaaccttca aaaacacatg ttctccttnc 420

tgaaaatct 429

<210> 6867
<211> 365
<212> DNA
<213> Glycine max

<400> 6867

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gaaaaaagtt attgtcgttt gaatttgctg agagcttcaa cattcaattt tgagcgtctc 120

gatgtattac aggacttaat cagacatccg agttaaaagt tattggaggt tgaatttgct 180

gagagcttca acattcaatt tcgagcgtct cgatatttta cgggactcaa tcagacatcc 240

gagtaaaaag ttattgttgt ttgaatttgc tgagagcttc aacattcaat ttcgagcgtc 300

tcgatatttt acgggactca atcagacatc cgagcaaaaa gttatcgtcg tttgaattag 360

ctgag 365

<210> 6868
<211> 345
<212> DNA
<213> Glycine max

<400> 6868

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attatgatct tattaaaatg tttaatggtg cttaatttta aaaattttct aaggtttcta 120

ccataagagc tctttttttc accccatcca tgttgtcaca tgtgggtgaa aagaggaaag 180

agagggatgg gatttctctt gctttaagca taacgggcca aagtgggagg cccacacgaa 240

gggttattag ctcagtagta aagtgtgtcc ttgataattg tgtcggcttg gagtggagtg 300

agacatgtca tcgaatatca aagagatatc cacttcgtta tgaaa 345

<210> 6869
<211> 404
<212> DNA
<213> Glycine max

<400> 6869

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ggttcttatg ctaatgtcac gagatgcgtg agtcttagca ctcatcaaga cggagctgat 120

ttgtcgatac ggactcccta cgaagatcat tattgacgat ggcactaatc tgaacaacaa 180

aatgatgcaa gaaatgtgcg aggatttcac gatctatcat catagctcca gcccttaccg 240

gccaaaaatg aatggggctg tagaggctgc caataaaaat attaagcaaa ttgttcagaa 300

gatgacagtg tcatacaaag attggcatga gatgctgcct ttcgccctgc acagatatag 360

aacctccgta cgaacttcta ctggggcaac gccgcattcc ttag 404

<210> 6870
<211> 381
<212> DNA
<213> Glycine max

<400> 6870

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ttgttcaatt tctagcctct cgacatatta tgcgcacgaa tcggacatcc gtgtgaaaag 120

ttatgaccat ttgaatttct cgagagtttc cgttgcttaa tatcgtgcgt atcgatatat 180

tataagcccg gatcggaact cactgtgaac agctatgacc atttgaattt cacgagagct 240

tccgttgtct atttacgagc gtctctatat gtgatacgcc agaatcggac ctctgggtga 300

aaggttatga ccattcgaat ttctcgagag cttccgaagt tcattttcca gcgtttcgac 360

atgtgattct cctgaatcgg a 381

<210> 6871
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6871

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tagctacaca cacccctttc ataactaagc tcacatcctt gagaagatta ctaaagaagc 120

tagagcttag ctacacacac ctttctaata gctaagctca cctccttgag atgagaagct 180

agagcttagc tacacacccc ctataatagc taagctcacc cccatgacaa aatacatgaa 240

actacaaaaa aaatccctac tacaaagact actcaaaatg cctcgaaata caaggctaaa 300

tccctatact actagaatgg ccaaaatata aggcccaaac gaagganaaa cctattctaa 360

tatttacaaa gataagcggg ctcatactta gcccatgggc tcaaaatcta ctctaaggct 420

catgagaat 429

<210> 6872
<211> 388
<212> DNA
<213> Glycine max

<400> 6872

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aaattacata gacttgccaa ttctaaaaga aaaatgtaat aaatccaaaa ccatgcaaat 120

gctatttaaa gaatgattgt caatttagaa tagaaaataa tgctaacaaa aaatagaata 180

gcaacacaga ctcaaatgag acatgcaata acatttcaat gaatgacaaa ataccataaa 240

aactatgata ctattcattg aactactaag tcaatacatg caacaacctg aaccaaaaaa 300

gaaaagccaa atcagcaaat agaagataag cagaaacaaa aattatatct ctgaacaaat 360

aatattgcaa ccatcaacaa acaaatag 388

<210> 6873
<211> 212
<212> DNA
<213> Glycine max

<400> 6873

gcgcctgaat ctgatcgtct tgtgattttt tgtgaccatt cgaatcccta gagagctacc 60

gttgttcaat ttagagcgtc tacatatatc atgcgcctga cttgggcgta cgagcgaaaa 120

gtcatgacca actcaatttc tcgagagcta ccgttgttct atttctaagg actagatatg 180

ttatgcgccg aagtcggaca tgcgtactaa aa 212

<210> 6874
<211> 418
<212> DNA
<213> Glycine max

<400> 6874

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tttacagaaa cattaagcat aggcaaaaga tcaagaggag ttagtgggtt aaaaccatat 120

accacttgac aaggagaaca attactggtg ctatgaacag ctctattgta agcaaattca 180

acatggggtt aacaagctcc cccagttttt aagttcttcc tcaaaactgt cctaagcaaa 240

gctcccaaag tcctattaac aacttacgat tgcccatcgg cttgtgggcg acaagtggtt 300

gaaaataaca atttattgcc caacttgctc cacaaagtcc tccataaatg gcttacgaac 360

ttagagtccc tatcactaag aatgctgctt ggccaccatg gagtctcaca atctcctt 418

<210> 6875
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6875

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agaactaact ttctttcttg aacttcaagt taaggaaatg aagcatggaa catttctttt 120

ccaaacaaag tactgtgcgg aattgattaa gaaattcaat atgaaaaagt gcaaagaagc 180

attgacacct atgacaacat ccacttattt tgacttggat gaaaaaggta aattagtaga 240

tgagtcaaag tacaaaggta tgattggttc tgtcctttat tagactacaa gccgacgacc 300

cactattatg cttagtgttt ggttatgtgc aatatatcat gcaaatccca aggaatccca 360

tttaactact gtaaaaagga ttatcaagta tcttag 396

<210> 6876
<211> 397
<212> DNA
<213> Glycine max

<400> 6876

actcagctta acattcaatt tcgagcgtct cgatatatta ctagactcta tcagacatca 60

gagaaaaacg ttattgtcgt ttgaatttgc tcagagcttc aacattcaat ttcgagcatc 120

tcgatatgtt acgggactca atccgacatc cgagaaaaaa gttattgtcg tttgaattag 180

ctcagaagtt caacattcaa tttcgagcgt ctcgatatgt tacgggactc aatcatacat 240

tcgagaaaaa agttattgtc gtttgaattt gctcagaggt tcaacattca atttcgagcg 300

tctcgatatg ttacggtact caatcagaca tgcgagtaaa caatgatcgt ccgatgaatt 360

agctcaaaga ttcaacattc aatttcgagc gtctcga 397

<210> 6877
<211> 392
<212> DNA
<213> Glycine max

<400> 6877

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aatatatcga gacgctcgaa attgaatgtt gaagctctga gccaatataa acgacaatga 120

ccttttactc ggatgtttga ttgagtcccg taacatatcg agacactcga aattgaatgt 180

tgaacctctg tgcatattca aacgacaata aatttttact cagatgtctg attgagtccc 240

gtaacttatc gagacgctcg aaattgaacg ttgaagctct gagccaatac aaacgaccat 300

aacttttac tcggatgtct gattgaggct cgtaatatat cgagacgctc gaaattgaat 360

gttgaacctc tgagccaatt caaacgacaa ta 392

<210> 6878
<211> 390
<212> DNA
<213> Glycine max

<400> 6878

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gaaattctcg agagcgtccg ttgttcaatt tcgatcgtct ccatatatta tgcgcctgaa 120

tcggacttcc gtgtgaatag ttatgaccat ttgaatttct cggtagcttt cgttgttcaa 180

cttcgaccgt ctccatatat tatgcgcctg gatcggactt ccgtgtgaca agtgatgacc 240

atttgaattt ctcgagagct tccgttgttc aatttcaagc ttctcgatat attatgcccc 300

tgaatcggac ttccatgtga aaagttatga ccatttgaat ttctcaagac cattcgttgg 360

tcaatttcca gcgtgtcggt atattatgcg 390

<210> 6879
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6879

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tgatgagtct aatgccattc ttccaagaga ctatgaagaa acatatgctc cagttgcaag 120

attagaagcc attagaatgc tcttagcata tgcatccata atgaatttta agctctatca 180

aatgaatgtt aaaagtgctt ttctaaatgg tttaattcaa gaagaactat atgttgaaca 240

acccccaggt tttgaaatcc cggataaatc aaatgatgtt tataaattgc aaaaggctct 300

ntatgggttg aaacaagccc ctagggcgtg gtatgaacgt ttaagtaatt ttctcctaca 360

aaaagaatgt ctagaggaaa gtggatccac attgtcatac agagaagcta atgatatttt 420

gt 422

<210> 6880
<211> 386
<212> DNA
<213> Glycine max

<400> 6880

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atgatgtcgt cacttcattt ggctttgaaa agaacatcat ggatcaatgt atataccaaa 120

aggtcagtgg gagtaagatt tttttcttgt gttatacgtg gatgacattt tgcttgcaac 180

taatgataag ggtttgctat atgaggtgaa ataatttctc tcaaagaact ttgatatgaa 240

ggatatggga aatgcatttt atgtcattgg cattaagatc catagggaaa gatctcgagg 300

aattttgggt ttgtctcaag agacttatat taacaaattt ttagagagat ttaacatgaa 360

agattgttca ccaagtgtag ctccca 386

<210> 6881
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6881

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tttcttccac agaacacagt gctcctctgt cgataaagat gcacttcaat tgatgaaaat 120

atccgaggtg cagtcgcttt agtttctgaa accctccaca ttgaaaatgc aaagtttcac 180

cttcataagc attgccactt aaattgagga acaacaacct tgacatattt tttagtgatt 240

tcaatgcatc attagtcaaa ctggagccgt ccaaacgcag ttgcacaaga tttgggaact 300

gtgaaatcca atttggcaac cttgtaaacg tcccacatat gacaagcttc ctaagtgtag 360

acatangtga cgtaatgtac aagtcaatta cttcactcct atca 404

<210> 6882

<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6882

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agatgatggt acagagggtg aaccaggagc tgaagtttct tttggtgcgg tagccatgga 120

aaagcagagc gtttggaatg atttcgtaaa tttctgagag ctgttaggga atgcagaaaa 180

cgagattaac acgaaaatat aagtttgaat gaggaatgta gagggacgtg tgaagcaacg 240

gtcgaatttg ctttggttca gtagtgaacg tgctattaat gttaagtgat tcgtttgggc 300

acgttcagat atcagtagtt gctacaattc ctctagcaga caaatgccca gcttgcccct 360

cagttnttca aactgttttg catccaatgc 390

<210> 6883
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6883

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aagaccttga actacttcac attgattaat atggtacctc tatatctatg agtttcggag 120

gtaattacta tggctgagtt atagtggatg attacttaat gttcacatgg actttgcttt 180

tgaataccaa aaatgatgaa ggtcttatca ttgtttctct tagaattgat catggaggtg 240

aatttcaaaa tgagtctttt gaaatctttt gtgaagaaca tggaatacac cacaatgttt 300

gtcgctcaag aacacctcaa cgtaatggtg ttat 334

<210> 6884
<211> 391
<212> DNA
<213> Glycine max

<400> 6884

agcttataca acataggtgc ttattagttt tatatggaaa atcacattcg ttgtacattc 60

caatgatcga aagtctctat atgttaaata agatccttct agatcttaag aaaaggatta 120

agaagtactt ggtccttaag taccatgcct tagtgttatt gaaacactaa tgtatcttac 180

tatgcgtaaa cgatttgata tatcatttcc cgctaattca ttagcaaaat ctaattcttc 240

accaatatga agaaatttaa atatttactt cattatttta gaggttatat attagatcct 300

cataaaatga tattacatga ggtgatacaa caatttcatg acaatatgtg aaataagcca 360

aaataggcac atcagctaat catgtagaaa t 391

<210> 6885
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6885

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catttgctgc ccaagtttca tggtcttgca agtgaagatc ctcttaagca tcttaaggag 120

ttccatattg tttgttccac catgaagccc cctgatgtcc aggaagatca tatctttcta 180

aaggcttttc ctcattctct ggagggagtg gcaaaagatt ggctatacta ctttactccc 240

aagtccattt ttagctggga tgaccttaag agggtgttct tggagaaatt cttccctgca 300

tctaggacca ctgccatcag aaaagacatt tcaggcatca tgcaacttag tggagaaagc 360

tcgtataagt actgngaaag att 383

<210> 6886
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6886

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tgtacctatc gcaagggttt gtggtttgtc ctcctctgct gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180

caatagacct cctcaacctc agcagcaaaa tcaaccacaa cagaacaatt atgacctctc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctaat cttagatggt ccagccctca 300

gcaacaacaa caacagtctg ctccttcctt ccaaaatgtt gctagcccaa gcagaccata 360

cattcctcca ccaatccaac aacagcaaca accccagaaa cagccaacag 410

<210> 6887
<211> 391
<212> DNA
<213> Glycine max

<400> 6887

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tacttgcagt tcaggagtta gtccttgcct tgtttagttt agaaaaaaga atacataaat 120

cgaataagaa attgaaagaa ttcactatca attcaaatga agaaaaaaaa attgtttcaa 180

aaggatatca attgttaaga ttcaaagaaa aattattact ttttatcaat acaccaagga 240

acacttcagg ttaggaatat aataatcgga ttttgaaatc aaataacgcc tcaactataa 300

aaaattgaaa tattttgaaa aaaaaattat ttttttttttc aaaatatttc aaaaggtaca 360

caaaacaaat aggacaattc taaagctttt t 391

<210> 6888
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6888

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agagagcata gagtttctct ctcacaccat cttcattggt gcgaatggag caattgagaa 120

gaaagtaact tgccaacaca ggcaatatgc gttcaagcct attagccaat tgacggtgtg 180

gatttggaag cagcaaagaa gcaatttccg aggctgacaa agatgaactc tctgccttgg 240

ctatgatatc aaacaaattc atatcaacag cagcgttcaa gattgcacgg aaaattcagc 300

tgaagcatag tgtcaaagct gagagagaag tgtcatcccc ctttgcttcc tctgtgggaa 360

gaacctgatt ttgtttccaa ttgcaaatat aggaattcat gattc 405

<210> 6889
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6889

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catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120

tttcacattg tctgctccac catgaaaccc ccagatgtcc aagagaatca catatttctg 180

aaggcttttc ctcattcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240

aggtccatca cgagctggga tgaccttaag agagtattct tagaaacatt tttccctgct 300

tccaggacca cagtcatcag gaaggatatc tcangtatta gacaactcag tggagagagc 360

ctgtatgagt actgggagag 380

<210> 6890
<211> 378
<212> DNA
<213> Glycine max

<400> 6890

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catgccaaaa tacattaaaa tacaaaaaag tctctactac aaagattaca caaaatgcta 120

taaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg cccaaaagaa 180

ggaaaaccta ttctaatatt tacaaagaaa aatgggttca tacttaaccc atgagaccaa 240

aatctaccct aaggctcatg agaaccctag ggccttctct tgcatctctg acccaatctt 300

cttggagttt tctatccaat gcccttggag ggtagtattg catcaatata tagaaaaaga 360

ccatggtctt cttagctg 378

<210> 6891
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6891

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taagatcgtg agatcagata gaggtgggga gtactatggt agatacatag aggatggaca 120

agcaccaggt tcatttgcga aatttcttca agaacttggg attgttgccc aatacactat 180

gcctagttct ccggatcaga atggtgtggc agaacgaaga aatcgaacct tattcgacat 240

ggtgagaagc atgaggagta atgtaaaact tcctcaattt ttgtagattg atgctcttaa 300

gacggctgcg tatatattaa accgagttcc aaccaaggct gtctcaaaga cancctttga 360

gttattcaa 369

<210> 6892
<211> 418
<212> DNA
<213> Glycine max

<400> 6892

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gtacttttcc ttcgacgtac aattgccaca tccaattcac aagaggcaca agaaattccc 120

catctttgta agtcctcctt ccgcatgcaa tttcaggagc caaaaccccg aaactataaa 180

tgtatgattc ttgctagccc tacctctatg gatatattct ggggaaagat accgataaat 240

ccccactact cctgtccttt gagtccttaa ccttggatcc accaactttg ccatctcaaa 300

atcaccaagc ttagtgctaa aatctgtgtc caacaacaca ttagccaact taatatccct 360

atgaagaaca ctttgctctg catcctcatg aagataacga agtgccaaag ccacgctt 418

<210> 6893
<211> 374
<212> DNA
<213> Glycine max

<400> 6893

agctttaact taatcaattc aaaagccttt tgtgcttgtt cattccaccc aaacgcaccc 60

ttcttcaaac attcggtcat aggacttgct atagtgctaa aattctggat aaagcgtcga 120

taaaatgatg caagaccaag gaaagatctc acctccgaaa ctgttgtagg gctcggccaa 180

gtcttgatag catccacttt tgtttgatca acggatactc catctttaga caccacatat 240

ccaagaaaca ccacccttc aaccaagaaa tcacactttt ccctcttccc atagagtttt 300

tgtgctctta gggtctcaaa tatttgtttc aaatgagtga aatgctcctc tatagatttg 360

ctatacacca atat 374

<210> 6894
<211> 402

<212> DNA
<213> Glycine max

<400> 6894

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gttttgaagg ctgttgtata tgctcataaa caattatcaa gctttgtagc ccaatctttc 120

cttgaagtag ctacggtctt ttctagtatc cttttgatct ccctatttga aactttaact 180

catccatttg tttgtggatg atagggtggt gctactttgt gtcgaatatc gtagtgttgg 240

aggacctttg aaagtcttgg cactctaaac ctagcaaaga tgtttctctt taaggactta 300

atcattattt ttgcatcatt agttgcacta gcaattgctt ccagccactt gttcgcttcc 360

ggcaagtgca ccagatcgca caagtagtat aaaacggtaa ga 402

<210> 6895
<211> 364
<212> DNA
<213> Glycine max

<400> 6895

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ttcacccgac gaagacactg acaaaaactt atcttctcct ttttggacaa ggtatggcaa 120

gctaggggca agtaaatttt cttcccatta gaccttggat gcaactgtga tcgtatgccc 180

atatcagcta gatcttgaca ggtattgaag ccatccttca tcttgccttg aatgttaagg 240

agagtcccaa tcacactatc acaaacattt ttctccacat gcataacatc aatacaatgt 300

ctaacatcaa gatcagatca gtacgaaaga tcaaagaaaa tggacctctt cttccatatg 360

caac 364

<210> 6896
<211> 366
<212> DNA
<213> Glycine max

<400> 6896

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caaggaagtt ttctcaaaga agcttctcaa ggaagttttc tcaagaaagc ttctcaagga 120

agctacctag tccataaata gaaccatgag caagaggctc caagaagatt gggctagagc 180

tgctgaagaa ggccctaagg ttctcatgca ccttagggta gatttctgag cccatgggcc 240

aaggttgggt ccaattatct ttgtacgtat tagactagga tgtcattata tttggtcctt 300

gtatttaggg ctccatattg taggtagggt accctagaaa tataggattt ttcagccctt 360

gtattt 366

<210> 6897
<211> 255
<212> DNA
<213> Glycine max

<400> 6897

aaaccgagca gttctaataa gatttgttat atgaataccc ttacgctttg cagatatata 60

aggtgacatt ttaggattcc attttctagt accgtggcca aaatgaactc ctgcttccat 120

catctcttcc aagattatgt tccaatatct ttttgtcatt tatatttatc cccacacttt 180

tctttcattt caaaatcgaa attctataaa ttttttgaaa tgaaagaaag agacccggta 240

tactgaaata gaaat 255

<210> 6898
<211> 372
<212> DNA
<213> Glycine max

<400> 6898

agcttcttac aaagcatacg gctttctgga tgtagatgat gatatctata cagatggatc 60

ttatatatct atatatctat agatagatat atagatatag atatatagat atagatcata 120

caatgaagta ccgcacgagt gggtatatag gaatccaaat ctgccgaatc actcatgtta 180

tgatcttcta catcctaggt cttcccgttc cttcatctgg cttatgttct tcatgtagca 240

ttcagactga atgactctat gaaattacgt cgctacttcc acatggtacg ggtaacgtag 300

gagacatctc tatttttccc ggggggaatc cttagaatta ccacagctta gctttcaatt 360

cgcctctgac ca 372

<210> 6899
<211> 417
<212> DNA
<213> Glycine max

<400> 6899

ctcaagctta tttagaataa gagttgcaag tgcatcactt tccacatcct cggcaataat 60

caataaaggt ctttgtctct ggagatatgt aggtgtcagc aaatatcaat tattttaaaa 120

gtcaaatgca aaagtgaatg gcactgctca ccttcaaagc caactctaag actttaacta 180

tagcatttat actagagatt ttcttctcat gaattagaat aaggggatct tcaagttcct 240

atagacaaca agacatggca agtgtaagta cgtacgaaac aaaagaaggg tttgtgaaca 300

agtgacttca tacaatcctt ctacatatat tttaatgttg tgaagtagag agaagagata 360

agtagataac atacacattt ctggttctta tcgtttgtaa tgaaataagg agatatg 417

<210> 6900
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6900

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gtagcattga gataaaatcc tgcacctgtt ccagaatgta tatgaaaatc agatatgcta 120

aattgccaat atttaccaat tatggagaaa tattcagaaa agtaaaatat gccaatatcc 180

actaacccag caataatgtt caagacagtc cacatctgat ttaggtggga aagagaaaca 240

gaaagaaaga gaaagagagg cgaaagggga agaacagaat agcgaggata gagagaaaga 300

ggagagaaac agagggatca aagaaactgt gaactgcaca tcagtcataa tata 354

<210> 6901
<211> 366
<212> DNA
<213> Glycine max

<400> 6901

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accactactg gaaaacccga atgcacattt ttatcgaggc aataaatcta aatatctgtg 120

aagccataga aatagggcct tatataccca ccacagtcaa tagagtttca atagatggta 180

gttcgtcaag tgaaagcata accatagaaa aacctagaga tagatggtct gaaaatgata 240

gaaaacgagt acaatacatc ctataagcca aaaacataat aacatctgcc ctatgaatgg 300

atgaatattt cagagtttca aattgtaaga gtgctaagga aatgtgggac actcttcgat 360

taacac 366

<210> 6902
<211> 353
<212> DNA
<213> Glycine max

<400> 6902

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ggtcataatt tttcacacgg atgtccgatt cgggcgcata acatatagag gcgctcaaaa 120

ttgaacaaca gaagctctcg tgaaattcaa atggtcataa cttgtgactc ggatgtccga 180

ttcaggcgca tcacatatag agacgtatga aattgaataa cggaagctct cgagaaattc 240

aaatggtcat agcttttcac accgaggtcc gattcaggct tataacatat tgatatgttc 300

gaaattgaac ataggaagct ctcgtgaaat tcagatgggc ataacttttc aca 353

<210> 6903
<211> 373
<212> DNA
<213> Glycine max

<400> 6903

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gaacaaccct tgttcatgtc cctttaaatg ctctacaatt ttagacatat gaatttcatt 120

aatgtatgac taaggtcatc atatctgtga aatttaaaag tcaaagaaat aaaatgagta 180

agaaaagaac tagaggatga gaacagaaac ctgcaatgct catgtgtatc acctaataca 240

tatccagtgt ctgtagaaaa tccaattaat atcacctaaa ttataagact tgacatagca 300

catatgtaat gtagtataaa aaaacaaaat caaagtaagc aattaatgtc acaaatgctt 360

acagctagac ata 373

<210> 6904
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6904

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atcgagacgc acaaagttga atgtttaagc tttaagccaa ttcatacgac aataactttt 120

tactcggatg tctgattgag tcccgtaata taacgaaacg ctcgaaattg aatgttgaag 180

ctttgagcca attctaacga taataacttt ttactcggat gtccgattga gtctcgtaat 240

atatcgacac gctcgaaatt gaatgttgaa gctctaagcc tattcaaaca acaataacgt 300

tttactcgga tgtccgattg agtgacgtaa tatatcggga cgctcgaaat tgaatgttga 360

acctctgagc caactcaaac gacaataact ttntactcgg atgt 404

<210> 6905
<211> 362
<212> DNA
<213> Glycine max

<400> 6905

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taaaaagtta ttgtcgtttg aattggctca cagctttaac attcaatttc gagcgtctcg 120

atatatttcg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180

agaggttcaa cattcaattt cgagcgtccc gatatattac gtcactgaat cggacatccg 240

agtaaaaagt tattgtcgtt tgaattggct catagcttca acattcaatt tcgagcgtgt 300

cgatatatta cgggactcaa tcggacatcc cagtaaaaag ttattgtcgt tagaattggc 360

tc 362

<210> 6906
<211> 361
<212> DNA
<213> Glycine max

<400> 6906

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ctatcatgga acttcttggt ctttttttg tataactcgg cattctcata ggcttctaag 120

cggatctcat ctaactcact cagttgcaac tttctttcct caccaacttg atccatacag 180

aagttgtagg tcttcactgc ctagtatgct ttgcgctcaa tctccactgg aagatgacat 240

gcctttccat agacaacccg ataaggagac attcctatgg gtgctttgta ggcagtccta 300

tgtgcccaaa gagcatcatc aagcctggta ctccaatctt tcttgcttgg ctgcacagtc 360

t 361

<210> 6907
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6907

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gaaagactca tggttaaacc ttcgtattgc atcttcttga tgctcgaagc atggtagcat 120

cttctttgat tatggccatc tcttggactt catccgttgt ctcgagttct acccttatgt 180

tttcttcatt ttgttgtttc tggaacaata ttctccttgt cgacggttcc ccaactttga 240

tgaggatcat ggcgtctgtg ccatatgtaa gttggaaagg agtttcattg gtggttgtct 300

agggtgaaca atgataggcc cagagtatac tgtggagttt ctccttccat agacccttag 360

acatatcgag tctagtgtgc atg 383

<210> 6908
<211> 355
<212> DNA
<213> Glycine max

<400> 6908

tcatggcata cctacctcta tagtgttaga tagggatcct aaattgacct ctagattttg 60

gagggcattc caacaagctt ttggggtcca agctaagttt taacactact tatcatcctc 120

aaatggatgg ttagtcagag aggaccatat agacccttga aaacatactt aaagcatgtg 180

ttcttgatga aggtggaact tgggataagt ttttaccctt tataaagttt gtgtataaca 240

atagttatca cactagcata ggaatgacac cttacgaagc cctttatggg aggaagtgta 300

gatccccttt atgttggtgt gaggtgggtg agaagacctt gatagggcca aacat 355

<210> 6909
<211> 365
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6909

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atcgagacgc tcgaaattga atgttgaagc tctgagccaa ttcaagcgac aatatctttt 120

tactcggatg tctgattgag tcctgtaata taacgagacg ctcgaaattg aatgttgaac 180

ctctgagcaa attcaaacga caataacttt ntactcggat gtctgattga gtcctgtcat 240

atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aattcaaacg acaataactt 300

tttactcgga tgtctgattg agtcctgtca tatatcgaga cgctcgaaat agaatgttga 360

agctc 365

<210> 6910
<211> 395
<212> DNA
<213> Glycine max

<400> 6910

cggacttcct gtgttttggg aacctctcct tcctcatgtg tacccaaacc ctatcacttg 60

gttcaagcac gactttcttt ctgcttttgt tggcttgcct tgcatagctc gcatttttct 120

tttcaatttg aaccttcact tgctcatgca acttcttcat atactcagct ttagcctgtg 180

catccttatg cttaaacata gcaatgttag gcataggcaa caaatcaaga ggagtcaaag 240

gattaaatcc atacactatc tcaaatggtg aacaattagt tgtgctatgg acagcccgat 300

tataagcaaa ctcaacatga ggcaaacagg cttcccaaga tttaagattt ttctttaaaa 360

cagtcctaag cagtgtgcct aaagtcctat tgact 395

<210> 6911
<211> 374
<212> DNA
<213> Glycine max

<400> 6911

agcttctata ttgcatgtcc tagttggccc tgacttctcc gttttttttt taattgtgga 60

ttacagaatt tggatagggc aattgaccac aaggcattgc atgatacctt ttctacattt 120

ggaaatatcc tttcgtgcaa ggtagctacg gattcatctg ggcaatcaaa aggctatggc 180

tttgttcaat ttgataatga ggaatctgcc caaaaagcta tagagaagct gaatggtatg 240

ctgttgaatg ataaacaagt gtacgtggga cccttccttc gcaagcaaga gagagaaagt 300

gctgctgaca aggcaaaatt caacaatgtt tttgtgaaga atctatcaga atcaaccacc 360

gatgatgagt tgaa 374

<210> 6912
<211> 429
<212> DNA
<213> Glycine max

<400> 6912

gtgactgtat acatactcaa gcttatatat caaagatctg ataatttaga agttgtctgc 60

tactcaaact cggattttgc tggttgcgtt gactctcgca tgtcaacatc tggatacatc 120

ttcatgatgg ctatcaaagc aatatcttgg agaagtgcaa aacaatcatt agttgctact 180

taccatggag gctgagttta tttcattatt tgaagcgaca tcacaaggta tttggttaaa 240

aagtttcatg gtcgatctac aagtgattga ttatgttcct agaccattaa agatatattg 300

tgataattca gctgctgttt ttttgactaa aaaaaataaa agtggaagtt gaagcaaaca 360

cgtcgacatt aagtatttag tcttgaagga acatgtcaaa gcaaattaaa tcatcattga 420

aaacatcag 429

<210> 6913
<211> 376
<212> DNA
<213> Glycine max

<400> 6913

agcttgtaat gtctcttggt gatggtattg agatgcccga tctttttagt gttggccagt 60

ttggagagca agtctactct agtgttgttc tcccttggta tgtggaacaa ctcaaagcaa 120

tcaaagtcat caatgagggt ttttgcaaca tgatagtact tgaaccttgg cttgatattt 180

gtttgcaact tgcccttaaa caaggtatga gtcagtgtaa caccttatct ttttggcttt 240

aacttctttt gctagcttta ggcatgttat aagtgcctca tatttagctt gattgtttga 300

tgctttgaaa ttgagcttga gagcttgctc taaagtaaca ttgtcgagcc cttcaaggat 360

gatgcttgtc cctact 376

<210> 6914
<211> 374
<212> DNA
<213> Glycine max

<400> 6914

tctccatgca aacttcatta gagaggtcag gttttgtact tggcttgcca atgccgtcat 60

ggtcaaaaag gccaacggca aatggcgaat gtgcaccgac tacactaatc tgaacagggc 120

ataccccaaa gacgtgtacc ctctccccag catcaatagg ttggtcgatg aagcgtccga 180

attccaggtg ctaaccttct tggatgccta cttcggatac aactagatta gaatgcatcc 240

tctagatgag gagaaaatga aattcataac taaaaatgtc aacttttgtt acaaggtcat 300

accattcggc ctaaaaaatg caagcgcgac attccaatga ccaatggacc gagtcttcaa 360

acaacagatc ggac 374

<210> 6915
<211> 378
<212> DNA
<213> Glycine max

<400> 6915

agcttcaacc aagaggggat ggtccatttc aagtacttga aaagataaat gacaatgcga 60

acaagattgg attgcctagt gagtataatg tgagtactac atctaatgtg tttgacttaa 120

ctctttttga tgtagatgga gaagccgatt tgagaacaaa tccttttgaa gagggagaga 180

gtgataagga caaggcaagg aataagggca aggaaccttt agaaggactt ggaggaccta 240

tggcaagggc tagaacaaag aaggccaagg aagctcttca acaagtgtta accatgctat 300

ttgaatttag gcccaagtta caagtggaga aacttcggat tgttaattgc accatgttcc 360

aagaagaata gaggatgc 378

<210> 6916
<211> 410
<212> DNA
<213> Glycine max

<400> 6916

tgtgcctctt cacgtctgga atatgaatgt agcatataga tccaaagacc cttaggtgct 60

ttactgatgg ctttttcccg ttccaagctt caattggagt cttgtctttt atagacttag 120

ttggacatct gttgagtatg taaatagcag tgtagactgc ttcagcccag aatgtgttag 180

gtagtccctt ctccttgagc atcgatctag ccatttccat aattgtgcga ttctttctct 240

cagacactcc attttgttga ggagaatatg cgactgtaag tttacgctca atgccttcat 300

cctcacaaaa tctttcaaac tcgcgagagg tgtactcttt gccgcgatca cttcttagta 360

cttttatcca ttttccactt tgattttcaa caagggcctt gaacttttg 410

<210> 6917
<211> 246
<212> DNA
<213> Glycine max

<400> 6917

agcttgccgc cacggagttt tcctactatg ctcttgtgtg gtggaacaag ctacaaaagg 60

agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgttccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaata 246

<210> 6918
<211> 391
<212> DNA
<213> Glycine max

<400> 6918

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tatattcgcc aagatagcat catagtggat ggaaaatgct gtgttgtgat ccagaatatc 120

cttccaccca agcataaaga tattgggagt gtaactattc cttgttcaat tggacaagtc 180

aatgtgggaa atgctcttat tgacctgtga gccagtatca atttgatgcc actcttcatg 240

tacagaagat tgagagagtt ggaaataatg ctcactcgaa tgactttaca attagttgat 300

cgcaccatta ccaggccata tggagtaatt gaggatgtgt tggtcatagt aaaacatttt 360

atcttcctgg aagactgtgt ggtaatggat a 391

<210> 6919
<211> 366
<212> DNA
<213> Glycine max

<400> 6919

agcttctgtt gttcaatttc catcgtctcg atatattatg cgcctgaatc gaacatccga 60

gtgaaaagtt atgaccattt gaatttctca agagcttccg ttgttcaatt tcaagcgtct 120

cgatatattg tgtgcctgaa atggacatcc gagtcataag ttatgaccat ttgaattgct 180

caagagcttc cattgttaaa ttttgggcgt ctcgatagat tatgcgcctg aatcagacct 240

ccgagttaaa agttatgacc atttgaattt ctcgagagct tccgttgttc aatttcgagc 300

gtctcgatat attatgcgcc tgaatctgac atccgagtga aaagttatga ccatttgaat 360

ttcacg 366

<210> 6920
<211> 360
<212> DNA
<213> Glycine max

<400> 6920

tcggcttatt agtgcacagc tccttcaaga atttatcata tcttgggatt tgctatattg 60

catccactag aggtatgttt acctctactt ttctaaatgt ttccaagatc tccttctttg 120

gctcttccat ttttttgttg gaaattgctc tcggagggaa tggaagaagg atatgttgct 180

tctctttaga ttcacctgca tacaaattgg taggtatctt actctctaaa tttttgtcat 240

catcttttc tggagtagag tgaagctggg caggttcatt tgcagatgac gaagatgttg 300

cttgttgagg ttcttgacac tgctttctcc acctcaatgc aatggcactc acatattttg 360

<210> 6921
<211> 375
<212> DNA
<213> Glycine max

<400> 6921

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aaggtgaaga tgatgcttag atatacagat taaattcatt agagcataaa ccaagtcata 120

cggtttgtgg atcaacaaca aaaacaagat gtacttgatc aaagtgcttc caagctttgc 180

cattagatgg atgacataac atttaaaaac ttcttctgtt ttggtggttc catgtcattt 240

gtcctgcagt ttgcattgat gcaaacattc tgtgtagcta aggaattata ggcaaataga 300

acattgcctt aactagaact tgtttttttgt tacttgatcc agtgttgcag tcatgataca 360

ttgactttta acaaa 375

<210> 6922
<211> 374
<212> DNA
<213> Glycine max

<400> 6922

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tcaatgtcga gcatctcgac atattatgcg ctcgaatcga acatccgagt gaaaagatat 120

gaccatttga gtttctcgag agcttccgtg gttcaattcc gagcatcgcg acatattatg 180

tgcccgaatc tgaccttcgt gtgaaaagtt atgaccattt gaatttctcg agagcttccg 240

atgtttaatt tcgagcgtct caatatattg taagcctgaa tcggagctcc gtgtgaaaag 300

ttatgaccat ttgtatttct cgaaagcttt cttggttcaa tttcgagcat ctcgacatat 360

tatgcgcccg aatc 374

<210> 6923
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6923

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ggtgaagacc cgcacaaaca tntgaaggaa tntcatattg tctgctccac catgaaaccc 120

ccagatgtcc aagaggatca catatttctg aaggctnttc ctcattcatt agagggagtg 180

gcaaaggact ggctgtatta ccttgctcca aggtccatca cgagctggga tgaccttaag 240

agagtattct tagagaaaat tttccctgct tccaggacca cagccatcag gaaggatatc 300

tcangtatta gacaactcag tggagagagc ctgtatgagt actgtgagag atntaagaaa 360

ctatgt 366

<210> 6924
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6924

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catgactggt ttccttcggt tntttccgac gttntcaaga aataaacgtt ggtggcgact 120

ccgtgcattt acctcctttg gaagatgcac ctgtgagcct cgtttcgctc gcccgcanaa 180

gggtaggttg caacagttgg cgactccgct ggggactggt tntgtgagtt aggcctattt 240

tangannatg tgtgttagtg cttagcttta ctgagctnta aaagaatggc taannatttg 300

ttaaacataa acacttanac aatggangaa agctggagtt gctgacatga tgtc 354

<210> 6925
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6925

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catcttaagg cgttccatat tgtttgttcc accatgaagc cccttgatgt ccaagaagat 120

catatctttc taaaggctnt tcctcattct ctagagggag tggcaaaaga atggctctac 180

taccttgctc ccaggtccat tntcagcang gatgacctta agagggtgtt cttggagaaa 240

ttcttccctg catctaggac cactgccatt agaaaagaca ctctangcat canganactt 300

agtggagaaa gcttgcatga gtattgcgaa agaatcaaga aaatgtgtgc angctatcct 360

caccaccata attctgagca acttcttctt caatatttct a 401

<210> 6926
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6926

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atcaaaatan ggtgcgtcan atataatnta naatgtaatt tcaacatcgg ttntcaataa 120

aaaaactgat gttaacaaat tgatgttaaa tgatcatacg ttaacatcgg ttttctacaa 180

aactgatgtt aacggataca cattatttac aattatgcca ccgcgtgtat gttaacatcg 240

attntgtcaa aaaccaatgt taatctgtcg atgttaaaat tgctttttgt agtagtcgac 300

ggtcgcacga agaacacaaa acaagaaaac gacgtangga atgatcgtgg ttgcaattcg 360

gtagcgcctc ggcttcgttc cctctctttc tctcttctct ta 402

<210> 6927
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6927

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taaatacagt gtaataaata gagagtgtgt tgcaacacta ctcctctnta atctttgcat 120

catttactta gtcttaccga agtgtattgt gttcgtattt gattaactta naacatgaaa 180

ttgttaaatg taaggatatt cgctctttaa aatgtgagat gttacataaa ttatttataa 240

aagataacaa atttacaatt agtttatgaa tatgtacnaa atgtgataaa ttaatcatac 300

agacaactta atgacatact tactcttana tttataaatt atatcanatt gatctttaaa 360

aatataatta tttcaaatta tcatgacgat aacactatca tattctcttg tatatatatc 420

<210> 6928
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6928

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acctcagact tgcctctctg tacggngttc tggcatctca aggatagcct tcacctttc 120

ggngtctacc tctatccctt tctggcttac aatgaaacca agcaatttcc ctgatttgac 180

cccaaaggta cacttagcgg ngttcaacct taatngatat ttcttaagcc tttcgaacaa 240

cttccgcagg ttgacaaggt gttcttcctc ggatttagat ttagcaatta tgtcgtccac 300

gtagacctcg atctctngat gcatcatatc atgg 334

<210> 6929
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6929

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tcaaaataat atgatgagag atctaccatg cctatatgac tataatgaat cttgtgaagg 120

atgtcttctt aaaaagcaac aaaattacca ttttcaacta acaaagcatg tagagctaaa 180

gactcgtcag agttaatcca cactaacatt tgtggaccaa tgacgacatc tgcactaaac 240

aacaacaggt atctcatcct ctctattgat gacttttcta gaatgactcg gtctacttct 300

ctatagaaca atcaaaggtc 320

<210> 6930
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6930

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ggctggtgta gcatagctat tatttttgct ctcaatttga tctttgactc tctcatgaag 120

cttcttcaca tagtccgcct ttgcttgacc ttcttaatgc ttaaaaacag aaacattagg 180

cataggcaaa agatcaagat gagttagtga gttaaaacca tacacaactt caaaaggaga 240

acagttagtg gtgctatgaa cagctctatt gtaagaaaat tcaacatgga gtaaacaagc 300

ttcccaagct tttaagttct 320

<210> 6931
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6931

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gtctcgatgt attacgggtc tcaatcggac ttccgagtta aaaattattg tcgtttgatt 120

tctctcagag ctnttgtgtt caattacgag cgtctcgata tcctacggta cactattgga 180

catccgagtg aaaagttatt gtcgttcgaa ttttgttaga gcttatgttt tcaattacga 240

gccgtttgat atcccacggg acacaatcgg agattcgagt taaaagctat tgtcgttaga 300

atattctcat 310

<210> 6932
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6932

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atgttctaca cttggagtga tcacatgcag tcctcttgaa cccttaccac ccactctgtc 120

atcatgccga gactcaggaa ggccaacagg tttagccttc tcaatgtatt ctgaacaaaa 180

ttcaatggct tcttctgcaa tgtacctctc aacaatagat gcttctggat gatatagatt 240

ctttgtatac cctnttaaga tcttcatgta tcgctcaact gtgtacatcc accgtagata 300

aacaggacca caacatttga tttctctgac cagatgcaca atcaagtgaa tcatgatgtc 360

aaagaatgca tgcggaaaat acatctgcaa ctggcacaat ataatngcag cctcattttc 420

cagctcatca nacttgacan gatcaatgac tntgctacat atagcatg 468

<210> 6933
<211> 152
<212> DNA
<213> Glycine max

<400> 6933

agttcacact gatgtgtgat gctagtgtct atgctatagg tgcagttctg ggacaacaac 60

gagacaagat attccatgcc atatactatg ccagcatggt cctgaatgac gaacagttaa 120

attatgtgac cactgaaaag gaaatgatgg gc 152

<210> 6934
<211> 322

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6934

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tccgctaatt aanaatctat tgcactctct tcttactcaa gttatgaatt cccttaatga 120

caatcttcta gatattaatt cacacagagc aactcgaata tgaatataac gcactaataa 180

ataacggaga ttaagggaag agaatatgcn ttctcagttn tatactgggt cggccacagc 240

ctagtgccta cgtccagtcc ccaagcaacc cgcttgagag atccactatc ttgtaaattc 300

cttctacacg atctaaacac ac 322

<210> 6935
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6935

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aacaacagcc tgtccctcct ttccagaatg ttgctggtcc aagcaagcca tatgttcctt 120

ctccaatgta gcaatagcag cagtagtcac aacaaagaca acaagcaact gaggctcttc 180

ctcaaccttc cttataagag ttagtgaggc aaatgatcat ccagaatatg caatgtcagc 240

aagagacaag agcctncatt cagattctga caaatca 277

<210> 6936
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6936

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gacagaatat atcttccacc acccagagaa ggtactcttg caggccctca acagtcagca 120

tgaatgtaat caagagttcc tttggtggtg tgaattgctt tangaaatnt aatcctatgt 180

tgcttgctga aaacacagtg ctcacaaaat ntcagttcat ctagtttctg atttcctaac 240

agctgttggt ttttgaagta tcatcatacc tttntcactc atatgaccta tcctcatgtg 300

ccacaattga gttaagtcag gtatgctctt attggatctt gatgcaacag ctactagacc 360

atcctcaaca catgttgtac cttgaagtat atagagatta cccc 404

<210> 6937
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6937

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gaagctcaat tctaggattn gataatattt gggacttgta tgctttagat gaacatttct 120

ctcccagtta gagagttgtg ggaaataggc ccaagatgga tgtcttttgg ctgaggggta 180

tttagtcaaa gagggaaaac tntgcatacc ccaaggatcc attagganat tacttgtgaa 240

agagatccat aatggtgggc tcatggtcca ctttgggata gacaagaccc tcgtctactc 300

anagaanagt tntattggcc ctatatgaag aaagatgtcc ataagcattg cactatgtgt 360

gtggctcgtt acaagccaag tctatggtga tgccttatga gctatacaca 410

<210> 6938
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6938

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aggagttcca tattgtttgt tccaccatga agcccnctga tgtccaagaa gatcatgtct 120

ttctaaaggc ttttcttcat tctctagagg gagtggcaaa agaatggcta tactaccttg 180

ctcctaggtc catttttagc tgggatgacc ttaagaaggt gttcttggag aaattcttcc 240

ctgcaactag gaccactgcc atcagaaaag acatttcang catcangcaa cttagtggag 300

aaagcttgta tgagtactgn gaaagattca agaaattgtg tgcaagctgt cctcaccaat 360

tgagttctga acatcttctt cttcaatatt tctat 395

<210> 6939

<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6939

acatcaatac tatatnntga aacaccaaga agaagttgaa tagtaaaacc tgcatatgca 60

agaagaggtc aatattcttt gattnnttgt attggtccaa ccttgatgtt agacattgta 120

ttgatgttat gcatgttgag aanaaatgtg tgtgataatg tcattgacac gcttcttaac 180

atttaaggaa agacaaatga tggtttaaat actcgtcaag atctaactca gatgggtata 240

cgtgactagt tacatccaag gtctgatggt aagaaaatat ac 282

<210> 6940
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6940

gtgagctnng aacaaatctt ctacacttcg agtgatcaca tgaagcctct tgaaccctta 60

ccacccactc tgtcatcatg ccgagaatca ggaagcccaa caggtttagc cttctctaag 120

tattctgaac aaaattcaat ggcttcttct gcaatgtacc tctcaacaat ngatacttct 180

ggatgatata gattctttgt ataccatttt aagatcttca tgtatcgctc aaccgggtac 240

atccaccgta gataaacagg accacatcat tngatttctc tgaccagatg cacaatcaag 300

tgaatcatga tgt 313

<210> 6941
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6941

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atcgagacgc acgagataga acaacggaag ctctcgagaa attagaatgg tcataacaat 120

tcactcggat gttcgatccg gagacataat ttatcgagac gctcgatatt gaacaaccga 180

agctctcgac acaatagaat ggtcgtaact tctcacgcga atgttcgata cggtgacata 240

actcatctag acgctcgata ttgaacaacg gaagctctcg agacatatga atggtcataa 300

ggtttcacac ggatgtccga ttctgggaca taatatatca 340

<210> 6942
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6942

ctcttcttcc tctntcgccc cattagtgct accacgtgat gttaacattg gttntntaca 60

naaactgatg ttaatagaat ttttcttaac atcganttt gaaaaatcga tgttaatgtg 120

gtgatattaa catcggtttt tgaaaaatct gtttttcaaa aatcaattaa cattgattnt 180

gtaaaaatct gatgttaaca ccgccacgtt aacaccggtt nttntaaaaa tggatgttaa 240

caaaatcaat ttatttacaa aaatgccatt ngccttttgt taacatcggt ttaacanana 300

accaatgtta aagaagtgat attgaanaca ttctttctag tagtgaataa tcttgattat 360

ggtgtggtta anggtgcttt ggggctttct ttgatctgat ttggttct 408

<210> 6943
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6943

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aaagggaagc attgataaga ttgtaagaga tgatgaacaa gcaatatcat ttgattgaga 120

tcccaggaat aatgccatta aaggtgcagc aaatgcttta tcttatatgc atcatgactg 180

ttcacctcca attgttcatc gagatatatc aagcaagaat attgcttagg atttggagta 240

tgtggctcat gtctcagata ttggagcagc caggcttctt aatcctaatt caaccaattg 300

gacctcattc tgtggcactg ttggatatgc tgctcca 337

<210> 6944
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6944

gcttccgtca gtggtacctt aagnttcatg ggataatttc ttcattngcg tttgangaac 60

accccatgga tcaatgcata taccacaagg cagtgtgagt aataatatgt tttcttgttc 120

tatatgtaga tgatattnta cttgcaacca acgatcgggg tttgctacat gaggtgaaac 180

aatttctctc taagaatttt gacatgaagg atatgggtga tgcatcttat gtcatcggca 240

ttaagattca tagagataga tctcaaggta ttctgggtct atcacaggaa acctatatta 300

acaaaattct agagagattt ctgatgaaag attgttcacc aagtgttgct ccca 354

<210> 6945
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6945

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tcctctattg cctttagttg aatacaccct cttgttggtt ctctatttgg ttcttaaccc 120

tctcatgcat cttctttaca aattctgacc tagattcccc ttctttatgt ataaaagaag 180

tgtccagtgg gaggggaatg aggtctaacg gtgttagggg attaaaccca tagacaacct 240

cataagggga ctgcttggtg gttctatgaa cccctctgtt gtaggcaaat tctacatgag 300

gaagatactc atcccaagac tttatg 326

<210> 6946
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6946

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gaaataacca taaattggga gagtttgata caatttatac aagcttnata cacaaaagat 120

agtcatttnt accgactaac acctacccgc aagggcattg gataaagaag acttcaagta 180

gattacgcca aggatccaag ggaaggccct atggttctca tgagccttag ggtagatttc 240

gggcatatgg gttaagtatg agcctgctaa tctgttaaat atacaataag tattccttct 300

tttggccctt gattctggcc ttctatagca tagggtttag ccttgtattt aagatattt 359

<210> 6947
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6947

tcggatccct gtcagataca atactagaag gaattccatg caaccttact acttcctcga 60

tgtacaactc cactagctnt tccattctat acttcatatt caccggaaca naatgagcag 120

atttggtgag tcgatctact atgacccaca cggcatcatg cncacgacta gtcttgngta 180

aactagatac annatccata gatatgctct cccatttcca ttccggaatc tccaatggct 240

tcaattctcc cgatggtcgt tggtgctcaa ccttagcctt ttacatgtan acatcttgct 300

catattcgct acatctttct 320

<210> 6948
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6948

aagctcctta actgcacaat gctctttaat attgaagagt atacttgtgg aaccttcacc 60

tgacgaagac actgacaaga acttatcttc tccttcttgg acaaagtatg gcaagctgga 120

ggcaacgtaa atttcttccc atcagacctt ggatgcaact atgctcttat acccatatca 180

gctagatctt gaccggtatt caagccatcc ttcgtcttgc cttgaatgtt aaggagcatc 240

ccaatcacac tgtcacaaac attnttcttc acatgcataa catcaatata atgtctaacg 300

tcaagatcac ac 312

<210> 6949
<211> 232
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6949

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gaacccaaac ccaatctccg agttggaaaa caacctttt gtgcctcttg tttgcttgta 120

tagcatagct cttattcctc ttttcaattt aggccttgac tctttcatgg agctttttca 180

catagtcttc tttggcttgt ccttccttat gcctaaaaac tgaaatactt gg 232

<210> 6950
<211> 190
<212> DNA
<213> Glycine max

<400> 6950

tctttttatt ttatgcacct gaatcagact tccgtttgaa aagttatgac catttgaatt 60

tctcgacaga ttccgttgtt caatttcgag cgtctcggta tattatgcgc cagaatcgga 120

cttccgtgtg acaagttacg accatttgaa tttctcgaga gcttgcgttg ttcaatttca 180

agcttctcga 190

<210> 6951
<211> 191
<212> DNA
<213> Glycine max

<400> 6951

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ccattctgct gccatgatct tctagaagca aaggactcca ttgatgaaga agatccaagg 120

cctttaagct ccacatggag ctacgtcaca ttgtgtgctt ggttgtgcga tcttagtggt 180

tcctcattat t 191

<210> 6952
<211> 196
<212> DNA
<213> Glycine max

<400> 6952

tgccttgcct tttgatttat tttagggact catggtcact atgaatgaca aattccttgg 60

gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180

cttcttgcat caacac 196

<210> 6953
<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6953

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ccgtcattaa gaactagctt ttttcttcct ctattgcctt tagttgaata caccttttgtt 120

tggttctcta tttggttctt aaccctctca tgcaaattct ttacaaccta tgacctagat 180

tgcccttctt tatgtataaa agaagggtcc agtg 214

<210> 6954
<211> 187
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6954

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ttcgaacttt aattatcttt taattcgttc ctaaagatag atcgccaaat ctgttgctaa 120

cagcacatta atctgttaaa gatataacag atttatgtgt ccagtatttt cgggcaagat 180

gtcctgg 187

<210> 6955
<211> 208
<212> DNA
<213> Glycine max

<400> 6955

ttaagcttac agtaccttct tagcaacagt gtcattgcct ttctcccctt aaatatttta 60

tccatcaatt tgtggagaaa atgtccaaag ggcccagagt aggtgaaacc atagagctgc 120

aaatcaattt gatttcaaaa ctgctcagta ctcaaaaatt ttcactacaa acttcatttc 180

tgcttcatct tttgagaaaa ggtgaaac 208

<210> 6956
<211> 191
<212> DNA
<213> Glycine max

<400> 6956

tggaacatat tgtctgaatt ttgggtcctc ttaaggacat agtcaaaata tccgctggct 60

gatcattaga atcaataaac tcagtgacaa tctccttgga cagaagcttc tctcgaatga 120

aatgacaatc aatctctatg tgcttagtcc tttcatgaaa aactgggttt gaggcaatat 180

gaagagcagc c 191

<210> 6957
<211> 214
<212> DNA
<213> Glycine max

<400> 6957

agcttgtcat ctttatagag tagaagatag atcattgatc catcctccac cttgttgtga 60

taaacacaac aatcatagag acttctcttg aatccttggc tggtgataaa gctatcaaac 120

ctcatgtacc attgccttgg agattgtttc aaaccataca aggacctttg cagttgacaa 180

acataccttt cttttacttg aacttcaaac cctt 214

<210> 6958
<211> 212
<212> DNA
<213> Glycine max

<400> 6958

agctttcatt ttttatttcg accatctcga tatattaccg gactcatccg gacttccgtg 60

tataaactta ttgtcaattc aattttctca gagcttcgga tcaaaatttt gagcatcttg 120

atatattacg ggactcattt agacatccga gtaaaaattt attgtcgtta gaatttgata 180

cgagcttccg ttttcaattt ggagcatctc ga 212

<210> 6959
<211> 192
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6959

ccccttatgg atgtccgagg cggggacaaa anataacgag acgcccgaaa tcgaacaacg 60

gaagctcgcg agaaaaagcg aatggtcata acatgacact cggatgtgcg aagcggggac 120

ataatatatc gagacactcg aaatggaaca acggaagccc gcatgacatt cgaatgctca 180

gaacatatca ca 192

<210> 6960
<211> 194
<212> DNA
<213> Glycine max

<400> 6960

tactaaggct tctattctag ctcttcgtga cttttctaaa acttttgagc tagaatgtga 60

tgcctctgga gtgggagttg gagctgtatt gttacaaagt gggcacccta ttgcttattt 120

tagtgaaatg cttcatagtg ccaccctcaa ctaccccacc tatgataaag agctttatgc 180

cttaataaga gccc 194

<210> 6961
<211> 214
<212> DNA
<213> Glycine max

<400> 6961

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ggagggagag tgacaaaagg agcacgaaaa tttgagccgc aaatgaggtc tgaactttga 120

agagtaaaca tcaagagatg aaagatccaa aaattaacgc acgcggacta tagttatagt 180

ctaaacgtca cacaaaattg ggaggaaacc tgaa 214

<210> 6962
<211> 213
<212> DNA
<213> Glycine max

<400> 6962

agcttcaacc aattgggttg gtccatttca agtacttgaa aggataaatg acaatgcata 60

caagattgaa ttgaccggtg agtataatgt gagtactaca tttaatgtgt ctgacttaaa 120

tctttttgat gtaaatggag aagccgattt gaggacaaat ccttttgaag agggagagag 180

tgatgaggaa atgacaagga ctaagggaaa ggt 213

<210> 6963
<211> 206
<212> DNA
<213> Glycine max

<400> 6963

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aattcattag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120

atagctttcc aggttctgct atccagtgat ttgaggaagg ccaccatcct tgctttccag 180

tattcatagt tggttccatc cagaat 206

<210> 6964
<211> 210
<212> DNA
<213> Glycine max

<400> 6964

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aatgcgactg taccatgctc tcagtgcttg ttttagtcca taaaaagcct tctttagctt 120

gagaactttg tcttcttcta atttcacctt taatcccaac ggttgttcga tgtacacttc 180

ttccacgagg actccattca cgaaggtaga 210

<210> 6965
<211> 199
<212> DNA
<213> Glycine max

<400> 6965

tctgctttaa taggacctca gtgtgaaaag ttatgaccat tttaattccc cgagagcttc 60

cgttgtgcat ttaccagcgt ctctatatgc gatgcgcctt aatctaacat ccgcgtgaaa 120

agttatgacc atttgaattt ctcagaagct tccgttgttc aattttaagt tgatggatat 180

gtgatgtttc agaatctta 199

<210> 6966

<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6966

agcttgacca gtttttattt tgatgggccg gatgttgaat tcaggttgnt cctggtgcgg 60

agatgatggt actgtgggtg aaccaggagc tgcagtttct tttggtgagg tagccatgga 120

aaagcagagc gtttggaatg atttcgtaaa tctcagaaaa ctattgggaa atgctggtaa 180

aaacacgaat gccaagcaga tataaatttg aatg 214

<210> 6967
<211> 210
<212> DNA
<213> Glycine max

<400> 6967

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60

aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tggagaaatt tttaaaaatt 210

<210> 6968
<211> 204
<212> DNA
<213> Glycine max

<400> 6968

taagcttata gaaagaggag ggaaaataaa tcaatccaaa atcaatggta cctttcaagg 60

aactaagaat tctttttgca gcttttaaat gaggagagga aagagcctcc ataaagcgac 120

acacaactcc caccgcatat agaatatcgt gccttgtatt ggttaaatac cttaaactcc 180

ccacaagact cttgaagatc gtgg 204

<210> 6969
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6969

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tcatatataa acaaacttat acaaataatt gattcccaga tttctaaaga tgtagaaaaa 120

agtattaaat aaaacagaca gcattgttta gattntataa cgtgtacatt attatatata 180

tcattagttt aaaaaatatt atacttgcat tatctgggtc atctgtttgc attaaatagg 240

taaaaaattc tactcatgta aaacacagac tatcgtaagt cttgttattt gaaataaaga 300

aatatattgc gtcccatatc gcattgaatg tctgtctctt ggatattgca ctttaaaaaa 360

aaatcatcgg ttttttgata attacttgac 390

<210> 6970
<211> 402
<212> DNA
<213> Glycine max

<400> 6970

tctatgtttc ggatgaattg gttgttttga acgtaataaa agcgatgatg ggggcaatct 60

ataaatcaaa cggtgatagt ggagacctat aaatacttca taaatatgtg aaagatgaat 120

tgaccggaaa gaagtctctt ctcgttctgg atgacgtctg gaatgatgat cgacaccaac 180

ggaaagcttt gaaaactcct cttaaatatg gggctcaggg aagctaaatt cttgtcacga 240

cacgcagtaa caatgttgct tctaccatgc agtcaaataa agtctgccaa ctaaagacat 300

tacaagaaga tcacagctgg caagtttttg ctaaaaatgc attccaagat gatagtcttc 360

acttgaatgt tgagctgaag gagataggtt catagatcgg tg 402

<210> 6971
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6971

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aatatatcga gatgctcgaa atggaatacc gaagccctga gcaaattcaa actacaataa 120

ctttttactc ggatgtctga ttgagtcccg taatatatcg agatgctcga aatggaatac 180

cgaagctctg agcaaattca aacaacaata actttttact cggatgtccg attgagtccc 240

gtaatatatc ggaacgctcg aaattgaatg ttgtagctct gagcaaattc aaacgacatt 300

aacttttttac tcggatgtct gattgagtcc cgtaatatat cgagacgctc gaaatggaat 360

accgaagctc tgagcatatt caacgacaat aac 393

<210> 6972
<211> 429
<212> DNA
<213> Glycine max

<400> 6972

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agattaaact ctacacactt tcagaatgaa tcatgcaaaa tatgatatat catcgcatac 120

ataagcatta gcatattatt gtaccatgaa gcacacatga gaaatgcata tgaaaattag 180

agacttgtca acaccggatg cattatcaga taccatcacc tctaacgtac agtattactt 240

gttttgcaac tacttggaaa tgatattttt gtttctaatc ggcatttaaa tactaattaa 300

tctcagaaac tctgcatatt attccaatgg aatgatataa acccccttct gaaaccaact 360

aaaatgcaca tcagtgagat gaggacatat aaacaaagat tacatattat attataaaat 420

atataatat 429

<210> 6973
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6973

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taagatggtc actgaccaat ccctatttta tgatttaaca aaattgccta gtgaaggtgt 120

gcctttgag ggtgcactga ttgatgaatg gaaattcgat ttctctgtgc atgatgcccg 180

ccggttggtt tgcaccaacc aagcggatat gaccggaagg cttcttgccg gttcattggc 240

ttttgaaagc cgcatcctcc attatcttat agttcgcgtt ttgcttccta gatcttcaaa 300

ccttgcccag gtttctgaag aagacctcat tgtcatgtgg gcctttcata aaggtctaca 360

aattgattgg gcacatcttg ttagatatcg catgcataag gcattgcgaa tgaatgcccc 420

atta 424

<210> 6974
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6974

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gcctttcaac cagctcccat gttttgtttt tgtgtatcat agacatctcc tcctccattg 120

caattgtgct tcctcacagc tagcatgttc ataaattgct acattacatc tttgatagat 180

gtcggacaac agccttttc ctctgattgg aaggtcatct tctaattcac tctgcataag 240

ctctgttgtt tgctctccag gatgattgtc tccactattg aggaaaaacc tagttgtttg 300

tgaattgttc caatcccatt tctcaccttc gttgaagtgc acatctctag tgattgtcat 360

ctttttagtt tgaggatgat agactttgta gggctttgaa actgaattgt agcccacaaa 420

gatgcccgga 430

<210> 6975
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6975

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tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120

ataccaagaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaactgac 180

aacaacttct cctcttgctc atcagcaagg gaggcagata taatcactgg aaaattcttg 240

ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcaattc tggtgtgggc 300

ggctagacag tggtagaatg agatggtatc tcagccttta cctcataaag aaagtcagag 360

gaatgtgtag ctcctgaaac atggttagtc ctatctgact ctatgaaatc aatctcga 418

<210> 6976
<211> 434
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6976

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tgcgtcacgg gaaggtagga gattccatac tctggtggag tataatgtga gaacatgaca 120

ggttagattg ttagaaagaa gtcaataaat attgatcaaa ttataattaa caaccacatt 180

aatttgtata aaaccaataa gtattatttt ttatttacac ccttatcatt tagatgttaa 240

tttacagatt cgtttgagtg aagggtttag tgaaatacaa tttaaactga ttataatgct 300

acaagttgag ttagctaggg ttagtttgtg taattntgtg attaaactta tactgaacaa 360

actcgatcaa taattaataa tggaatggtt tgactcggat tcattgagta aatttaatta 420

aaatcatttt attt 434

<210> 6977
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6977

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accaattcaa ttaaatttat tttcaaccac acacatcaaa tattcactta gtgcatgtga 120

aattacaaaa ctacccctaa tacaaaaaac tagtctaggt gccctaaaat acaagggctg 180

aaaaatccta tatttctaag gtactctacc tacattatgg agccctaaat acaaagccca 240

aaaataatga aaccttaatc taatatttac aaagataagt gggctcatac ttagcccatg 300

ggcccaaaat ctatcctaag actcataaga accctagggc cttctcttgc atctcttgcc 360

caatctactt ggagtcttct atccaatacc cttgcggggt aggattgcat caaaaggtta 420

cagagaactt acattg 436

<210> 6978
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6978

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tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ttgtgaagca cttgaaggag gtttaatggg gcattttggg gtccaaaaga 360

ctctagaaac attacaagaa cattnttatt ggcctcgtat gaaaaaggat gtgcagaaat 420

tttgtgaaca 430

<210> 6979
<211> 388
<212> DNA
<213> Glycine max

<400> 6979

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ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120

aagctcaccc ccatgacaaa aaacatgaaa ataaaaaaaa agtccttatt acaaagacaa 180

ctcaaaatgc cccgaaatac aaggctaaaa ccctatacta ctagaatggc caaaatacaa 240

ggcctagacg aaggaaaaac ctattctaat atttacaaag ataagcgggc tcatacttag 300

cccatgggct cgaaatctac cctaaggctc atgagaaccc tagggccttt ccttggatct 360

ctagcccaat ctagttggag tcttctag 388

<210> 6980
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6980

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ccaccgataa cagagcggta acttctctca cattactccc tctgcttaaa tttgtacata 120

ctagtattat cttatgagat ttgggcgcct cattgataaa gtttattaaa ccagagacaa 180

taccaattca tactttattt attaactaaa ttacactcaa tctggtagga ctcaatgaaa 240

aatgttacat gtacgctcct ttattttaga cactcatttg acacatttat tcaaaggggt 300

tagatcatct gttatcaagc tgataaatga tgtggagagt gtgcacaggg gcattcttga 360

gtg 363

<210> 6981
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6981

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ggtgagaaaa atgacagact caaacaagga atgagttcta aaagttcttg atcctagact 120

tccctcagtt ccacttcata aggtgattca tgtttttttat gtagccatgc tatgtgttga 180

ggaacaggcg gtggagcggc caactatgtg caaagttgtt caaattctga ccgagcttcc 240

aaaaccacca agctcaaaac aaggagactt aacaatcata gaatcctctt tgtcattatc 300

aaacagttta gagtctccaa ccacggcatc aaaggaaccc aaagatcaac atcatcctca 360

attgccacca accgatctac ttancatttt gaatttgaa 399

<210> 6982
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6982

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atataacgag acgctcgaaa ttgattgttg aagctctgag ccaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagtcccgt aatataacga gacgctcgaa attgattgtt 180

gaagctctga gccatttcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

taatatatca agacgctcga aattgaatgt tgaacctctg agcctattca aacgacaata 300

actttttttct cggatgtttg attgagtccc gtaatatatc gagacgctcg aaattgaatg 360

ttgaagctct gagccaattc aaacgacaat aacttttttac tcggatgtct gattgagtcc 420

cgta 424

<210> 6983
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6983

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cctccctctt tgaaaggatt catccttgaa tctgattcat tacctacatc aaagaaagat 120

agatcaacca cattaaaggt agtacttatg ttaccatatt ctcttggcaa gtccaactag 180

taagcattgt catttatctt ttctagaact tgaaaaagcc catctcctct tggttgcaac 240

ttggattttc ttttagcagt gaacctttcc ttcctcatat gaaccgaaac ccaatctgct 300

ggtttaaaaa taactttgat gcgacccttа 330

<210> 6984
<211> 433
<212> DNA
<213> Glycine max

<400> 6984

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ccaagaaggg ttgctattct gacttctgag tgatattgaa agggtagtct agacataaca 120

tatgaacaat taatatcact attataatgt ttatttgcaa atattattgt cattattata 180

tgttaacatt atatgggtca atcgctaatt gaaatattcg tttggtttgt ggaatgacag 240

acagacaagg catccatgct agatgagatc atcgattacg tgaagttcct gcagctccaa 300

gtcaaggtgc gcatcccgcg ttttttctctt gtactagcat ttctttattt gaatttgttc 360

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tctaactaag tat 433

<210> 6985
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6985

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ttngcataga gggtgttntt cctaaggact gacagaactt gcctgagatg tcctaagtga 120

tcatctangc tcctactgta canctaatat atcatcaaat aaacaactac aaatctacct 180

atgatatccc ttatgacatg atgcataagc ctcata 216

<210> 6986
<211> 291
<212> DNA
<213> Glycine max

<400> 6986

tgatgcaaca atcgaaaggg gtggctatat gagacatctt gccgaacata ggcaggtgag 60

ccataactcg ctagagcgtt ttcttgcatg ccatatgtaa caaagtcgtt gatcctatga 120

agtttgatga gttggaaaat gaggccgcga gtatactgag ccagttggaa atgtattttc 180

ccgctgcttt atttgacatc atgattcact tgattgtgca tctggccaga aaaatgcaat 240

ggtggggtcc tgtatattcg tggtggatgt acccggttga gcggatcatg a 291

<210> 6987
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6987

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ctcaataatt aacatattga aagataagaa ataaagaata aataataatt tataacaaca 120

aatttatatt aacttgttca ataaattatt tagggttaaa tatatttttt attcctaata 180

aatactcaat tttagtgttn tctccctaat aaatctttgc tttgcgttga gtccctaata 240

aaataacact tttattttat atccttgata ttgtgttnta gtccctaata aattagaaaa 300

ttttgtgttt gcttcctaat aaattaacaa attgtatttg agtntctatt aagaaatggg 360

aaatatttat catggagc 378

<210> 6988
<211> 457

<212> DNA
<213> Glycine max

<400> 6988

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ttctgaggtt tttgggataa aaatggtcat tgaccaatcc cttttccata acttaaccca 120

attgtccagt gacggtgtac catttgaagg tacactgaat gacgattgga aatttgattt 180

ctctgcatat gatgcccgcc agttggtttg caccaaccat gcggatatga ctggacgcct 240

tcttgccggt tcattggctt ttgaaagccg catccttcat tatctcattg tgcgtatttt 300

gcttccacga tcttccaacc ttgcccaggt ttctgaggaa gaatcttgta tcatgtgggc 360

ctttcatacc gggcgtcaac ttgattgggc acacttagtc agatatcgca tgcataaggc 420

attgcgatta aatgctccat tgccatatct acacctt 457

<210> 6989
<211> 440
<212> DNA
<213> Glycine max

<400> 6989

agcttctctc ttcacatttt tcactacctg cttctttggt gcattcttaa tctccttgca 60

ctccttatcc aacattacca agaaatcacg tactatcata aacaatctca acccttcatc 120

cttccctgag tccccatgaa agtaatcacc agtgttcttc actagggcca tgatttgctt 180

ctcttcttct agcaaactcg tgacatcaac ctcagctttc tccacaaaac tcttcactgt 240

ctcatgaaag cctttgtcat catctatgtc acttaggtct ttgtttacaa aatctcttgt 300

ttttatgagt ccatggccta gtctagaggt tgttcctatc aatgcatcag catctaacgc 360

tgctgctttc ttcacattct cgagttcact gctcaaacgt gaaaccactt gaaggccaag 420

ttcgcggatt ggtcttctga 440

<210> 6990
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6990

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gctgatcatt agaactaata aactcagtgg taatctcctt ggacaataat ttctctctaa 120

tgaaatgaca atcaatctct atgtgcttag tccgctcatg aaagactgga tttgaggcaa 180

tgtgaagagt tgcctgatta tcacaatata actttatttg caccacttca cagaacctca 240

actcttggag aaattgctta atccacataa gtttgcaagt aaccatagcc atagatcaat 300

attcagcttc tgcactggat cgagcaacta cattntgtnt cttgcttttc caagaaataa 360

tatntcccct aataaaaaca caatatcctg aggtagatct cctatccatg gaacaaccag 420

tccaatc 427

<210> 6991
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6991

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ggtcataact tttcacacgg atgtccgatt cgggcaaata acatatcgag acgctcataa 120

ctaaacaacg gaagctatag agaaattcta atggtcaaaa cttttcacac ggatgtccga 180

ttcaggcgaa ttacatatcg agaggctcaa aattgaacaa cagaagctct cgagaaattc 240

aaatggtcat aacatttaac tcgaatgtcc aatttaggcg catcacatat agtgacactc 300

gaaattgaac aacggaagct ctcgtgaaat tcaaatggtc antaactttc acactgaggt 360

ccgattcagg cttataatat atcgatatgc tcgaaattaa acatctgaaa ctctcgc 417

<210> 6992
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6992

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tggaaggcct ctcattttgt acatgacaat cttggacgag tcaatggggt gtatgctggg 120

gcaacatgac gaatccggga agaaagagcg cgctgtttac tacctaagta agaagttcac 180

gacctgtgag atgaattact ccttgctcga aagaacgtgt tgtgctttag tatggtcatc 240

ccatcgccta aggcagtaca tgctgagcca tactacctgg ttgatatcca aaatggaccc 300

ggttaagtac atctttgaaa agccagctct cacgggacga atcgcccggt ggcaagtcct 360

gctatctgag tttgatatag tctatgtcac ccaaaaggcg ataaaaggaa gcgccttagc 420

agattatntg gctcaacagc c 441

<210> 6993
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6993

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tcacaaatgg cggtgagctg cgatatgaat ctggcaatat aattcaagcg tcccaggaaa 120

cctcggactt ggctctctgt acggggttct ggcatctcaa ggatagcctt caccttttcg 180

gggtctacct ctatcccttt ctggcttaca atgaaaccaa gcaatttccc tgatttgacc 240

ccaaaggtac acttagcggg gttcaacctt aattgatatt tcttaagcct ttcgaacaac 300

ttccgcaggt tgactaggtg ttcttcctcg gatttagatt tagcaattat gtcgtccacg 360

tagacctcga tctcttgatg catcatatca tggaacaaag ctnaccatgg cccgtgataa 420

gtngccccgg cattcttgag tccaaaggac atcaccttgt aacagaacgt nccccac 477

<210> 6994
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6994

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cttaaccctc tcatgcaact tctttacaaa ctctaaccta gattcccctt ctttatgtat 180

aaaagaagtg tccagtggaa ggggaatgan gtctaacggt gttaggggat tgaacccata 240

gacaacttca aaaggggatt gcttggtggt tctatgaacc cccctattgt aggcaaattc 300

tacatgagga agatacttat cccaagactt at 332

<210> 6995
<211> 427
<212> DNA
<213> Glycine max

<400> 6995

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caagtatatt caccaggaaa acattgttgt ggaaggaaat tgtagtgctg tgattcaaaa 120

gatccttcca cctaagcata aagaccctgg gagcgtaacc attccttgat caattggaga 180

agtcattgtg ggaaaggctc ttattgattt gggagagttg gagatcatgc acactaagat 240

gactttacaa cttgctgacc gctccattac cagaccatat ggagtaattg aagatgtgtt 300

ggtcagagta aaacattcta tcttcctggc atactttgtg gtaatggata tctgtcaaga 360

taatgacatt cttgtaatat tgggaaagct gcatagttta tatggggaga aagaagttgg 420

agttggg 427

<210> 6996
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6996

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attcgggcct ccaccatttc gctctttctt gggtcgtgaa caatctcttt gagtgtgtcc 120

cttttgtcca taattaaaac atgttgcgcc tatatcaaga caattcgagg agatgtgccc 180

tggcttacca catctgtaac aaatgatatg agtggagaaa gtattgggct tgctaccact 240

accacctgca aatcccctag caacagtcct ctgattgtca tggcggttac catattgctt 300

agggggtttc gaatatggtt ttcctcaatg ttgaggccca ttctttttgt tcctcattgg 360

acctgtactc caataatagg ccgccctatc tcgngagtct tca 403

<210> 6997
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6997

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acttcttagt gctatgattc ggcatagatc cattcaagtt atccagtctt ggcaatctct 120

ttgatataaa tgcagcttcc tctctttttc ccccttcctc taaagcagct atcagatcat 180

ctagacatgt caatttctga tgtaaaccgt tctccactaa ttcatagcat aaactaaatg 240

cttctgaaac cttgttaatt ntacaaagat tcaaaatagt tgcattacac aaatcaatat 300

caacattctg gtgattntcc aaactaaaaa gcaacaattt gcatgcttct gacagctttc 360

ctcttttaag ggagaaatga gccacttctt ctatttaaca tagtacccat cttataaagc 420

anataataat ctcaaatgct ctttcatg 448

<210> 6998
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6998

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tcaaaactat cattataatt aatattcctc tcttctaatt atttaccaat gcattctttc 120

ctttaaatta tagtttaaaa attattaatt caagaaacat tatagagtga atcttataaa 180

aatgaacaaa cataatttta aacttaattt tataaataag aacaaaagaa gtaaataata 240

aaaatattat ttaggtcatt aacagtttat ttgtaaaaaa aaaaaggtca ttaatggttt 300

atattaagca attttgtata gagcaaatta caacaacctt cctttaggta tactctaatt 360

acacatgcat tccttccttt ntttttcacc ctacacaaaa ctgcctaact tttgcatcct 420

cattgaacaa gtctccccta ta 442

<210> 6999
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6999

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ggttctgcaa ctcactgcac ttccctatct cttctgggat agggcctgaa agaagagttg 120

tgtaaatggc tatggtttga attcttttca gcttccctat tgaagaagga agactcccag 180

aaatgctggt ttctgcaagg cctaacacca ccaagttggt gcagtttcca atgtcccatg 240

gcacctcacc cttaaggttt gtgttccctc ctgctctcaa cacttggagc gcagttaatg 300

agccaatact ctntggaatt tcaccactca gtttgttgtc atagagtgtc aagttcacaa 360

gacttgataa acttcctatg ttggatggaa tgtttccttc aagaaagttg gcatgcagag 420

ctaaagtctg cagtttgctc agcctgcaaa tttcctgtgg gaattca 467

<210> 7000
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7000

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ctttttatcg gttaacatgg accgttcaaa agcataaaat caacatgtaa ctttactgct 120

tttgcaagaa ctacgtaggt ctgatttcct catgacaatt gaggatacgt aggagcaaaa 180

gccccgcttt tgtcgaccac cccaagagat cgttaatggt ccaacgcctt aacgtttctc 240

tcctttcaaa aaccaagaga tctttaatgg tccaacgcct taatgtttct ctcctttcaa 300

aaccaagaga tcgttaatgg tccaatgcct taacttttct ctcctttcca aaaatcaaaa 360

gatcgtttaa tggtccaacg ccttaaatga cttttgttca gttaaaatcg atcttttgga 420

agaggatcaa aacaacttaa ccaatgttta gttttgaaag aactacat 468

<210> 7001
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7001

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gtatgtatac atgattntga tgatgccaaa gaataatcaa acaaggttgc ttcaaatgat 120

aagcatttgc ttcaagaata attcaagagt gcttcaacaa acaaagcctt gtttcaagat 180

tcactaaaga ccaagccttg ccttataaca aagtgctttc aagacatgca atgctctggt 240

aatcaattac caggaagtgt aatcgattac cagaagacat ggttgagaaa tagctgttga 300

aaaaggtttt gaatttgatt ttcaacatgt tatcgattac catatgtctg taatcgatta 360

ccagcaacga aactttggaa attcanattc aaaagtcata acccttcaaa ttataactgt 420

gttatcg 427

<210> 7002
<211> 444
<212> DNA
<213> Glycine max

<400> 7002

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ctcgaaattg aacaatggaa gctcttgagc aattcaaatg gtcataactt ttcactctga 120

ggtcggattc aagcgcattg tatattgaga agctcgatat tgaacaatgg aacctcttga 180

gcaattcaaa tggtcataac ttttcactag gaggtccgat tcaggcgcat aatatatcga 240

gacgctcgaa attgaacaat ggaacctctt gagcaattta aatggtcata acttttcact 300

cggaggtccg atccatgcga atcatatatc gagacactcg acagtgaaca gaggaagctc 360

ttgagcaatt caaatggtca taacttctca ctctgaggtc cgattcacgc gcataatata 420

tcgagacgct cgaaatcgaa caac 444

<210> 7003
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7003

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attggatcga cactaactta ctattattat tcaaacaaac agaaaatgta ctataaaaaa 120

ctcataaatt atgtgcagct ttcaattcaa gatgtttttc aatttcaaaa tatatagcta 180

taataacgtt aacttaataa tctttttctt attaaaatga actaatcaca taaacgctat 240

tctntttagg tgcataaaaa taatatatta ttgagaatag tgacatattc ggaaagaaga 300

agaaaaatag ggaaaatgga gtagagaata aataaacaac aaataggcgg cttacagtta 360

ggattaggcg ttaagttgtg tagttgaaca gtaagctaaa actaatctnt atanttttaa 420

ttttcttatc atggtatggg taagaagttc gctctatcgg aagca 465

<210> 7004
<211> 345
<212> DNA
<213> Glycine max

<400> 7004

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aacagttgga gagtctgcat cgactatagg aggctgaacc aggttaccaa aaaggaccat 120

tttcccctgc cattcattga ccagatgctt gaacgcctgg aaggtaaatc tcactactgt 180

ttccttgatg gtttttctgg ttatatgcaa atcactattg ctcttgagga tcaggaaaag 240

accacattca cctgcacctt cgacactttt gcctatagga ggatgccttt cggcctgtgc 300

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<210> 7005
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7005

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tccaactcaa acgcctgtat ttgataactc acctgctgct cctccaactg cacaaccctc 120

ttcttcatcc actgtttttt ctcccaagca ctcttccctc cgtcttgcaa cacaccactc 180

acttcaccac tcaattgctg catcatctgt gatgatgaaa caccaaaccc tcccttattc 240

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tgatgttgat gtg 433

<210> 7006

<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7006

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accaattcta ctgctccttg aggtctgact tctttgatta tgaacggccc tgaccacttg 120

gactttagct tacctgggaa tagccttagc cttgagttaa agagtaataa ctattgccct 180

ggctggaatt ctttcctttt tagcttattg tcatgataca ccttcatctt tttctagtag 240

attctggatg actcgtaggc gtttagtctc atctcttcta gttctagcaa ctgtagcttc 300

ctcttttctc tgcatgtgtt gttatcaaag ttgagcaact tgagagccca atatgctntg 360

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ccgatgagag tctt 434

<210> 7007
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7007

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cataatcgca agtgaaccag aatagggttt gggttttggg gcctcttgtt tgaagcctct 120

aatctaatca gatgtttggt tttgagactt gagagggaga taatctagtc caaggctggt 180

ctttgattca ataatataaa ggttaaatta ttatttagaa tttnttaata tatttctaat 240

gtttaattag gtattttaat tattgagtga tttaattaga tcatctaatt atttaaaata 300

attttattgg atcatttaag tgttaacatt attaactggt cacttagata ggattctacc 360

atatacaatg acaaaagatt caactaatga cttattaaca acttagatga ctcgttaacg 420

acattaacac anataactca attgaatcat tttaaataa 459

<210> 7008
<211> 435
<212> DNA
<213> Glycine max

<400> 7008

agcttccacg ttcaatttcg agcgtcttta tatgttacgg gacttaatca gacatccgag 60

aaaaaagtta gtatcgtttg agttggctca gagattcaac attcaatttc gagcgtctcg 120

atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180

agaggttcaa cattcaattt cgagcgcctc gatatgttac gggactcaat aagacatccg 240

agtaaaaagt tattgtcgtt tgaattggct cagaggttca acattcaatt tcgagcgcct 300

cgatatgtta cgggactcaa taagacatcc gagtaaaaag tttttgtcgt ttgaatttgc 360

tcagaggttc aagattcaat ttcgagagtc tcgatatgtt acgggactca atcagacatc 420

cgagtaaaaa gttat 435

<210> 7009
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7009

ngaggataga gacttctcaa actatttatc ttctctctca aagaggctct ctaactttct 60

agctntctca ctctaagaag tgaattcact ctcgtctcgg atggttaaga atgaaggctc 120

ctacccttat ttatactact cctcctccac aatgaatggt ggagattact tgtatcctat 180

ggtggagatt aattctctag aatgctccac acattctagg agtctctaca ctcttctact 240

cccttccata tccttccata ctcttccata aggttccaca catatccaga atattctata 300

ggtttccaca aacttccaca agcttctaga gagttctaca ctactctaga gttctntagg 360

acgttctaga taattctaca ctnttctaga tagctctaga gatttctaga acctcttcaa 420

ttaatgacgg atcccaacac aatgatacaa aataagagtg ttaattttt 469

<210> 7010
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7010

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atgaaaagac atcatgaaga atcaagattc aagagaagat gaattcaaga ttcaagagaa 120

gaaatcaaga agcaacaagt caagacttaa caagggaagt attgaaaagg atttttctaa 180

aaccaaacat agcacaattt tgttntacaa aagagttttc tcaaattttt ctaagttacc 240

agagtattta ctctctggta atcgattacc agtttcctgt aattgattac caatgataaa 300

atttgatttc aaaaagtctt taactaaatt tgcaacgttc caaatgattt ttaaatggtg 360

tatttgatta caatatattg gtaatcgatt acgagtgtat ctgaacattg aaattcaaat 420

tcaattgtga 430

<210> 7011
<211> 426
<212> DNA
<213> Glycine max

<400> 7011

agctggaaat tgtacaactt aagctcttta taaaatcgag tggtcataaa ttttcacaca 60

gatgtccgat tcggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120

gagaaatttg aatggtcata acatttcact cggatgttcg atccggggac ataatttatc 180

gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggtcg taacttttca 240

cgcgaatgtt cgattcgggg acataactca tctagacgct cgaaattgaa caacggaagc 300

tctcgagaaa tttgaatggt cataagtttt cacacggatg tccgattcgg gaacataata 360

tatcaagaca atcgaaattg aacaacggaa gctctcgaga gaatcgaatg gtcataactg 420

ttcaca 426

<210> 7012
<211> 409
<212> DNA
<213> Glycine max

<400> 7012

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aataacaaaa caatatcagg tcgaacatat attattaaac taacgtttcc aatttctcat 120

atatgaggag gacagaaaca aaaaacaatt ctgagtcttc tgatcactga attaatagag 180

aaattaacaa actgaacaaa caaaactagc aggtttttc ggaaaactta atttattctg 240

gtgtggacgg cagacagact tatatttctt ggtttcaata ggacttcttt agcatttttc 300

tatctactat tatctacaaa taatcaagtt attaatgacc ggacaaaatc aagaaataac 360

ctcttgcgtc aatattatag aagtcgttcg aatctcgcat tacactact 409

<210> 7013
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7013

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aggtaatatt gtagccgatg ctctntctcg gcgtcatgca ttactttcta tgcttgaaac 120

aaaattgatt ggtcttgaat gtttgaaaag catgtatgaa aatgatgaaa cttttggaga 180

aatttttaaa aattgtgaaa aattttcaga aaatggtttc tttagacatg aaggctttct 240

tttcaaagaa aacaaattgt gtgtgcctaa atgttctact agaaanttgc ttgtttgtga 300

agcacatgag gaggtttaat ggggcatttt ggggtccaaa agactctaga aacattacaa 360

gaaccatttt attggcctca tatgaaaaag gatgtgcaga aatnttgtga acattgcatt 420

gtatgtaaaa aggcaaagtc taaggtaaag cctcatggat tgatac 466

<210> 7014
<211> 432
<212> DNA
<213> Glycine max

<400> 7014

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ccgggttcga agacaacctt ctttctccct ttgttggctt gtttagcata gcttttattt 120

ttcctctcaa tttgatcttt gactctctca tgaagcttct tcacatagtc cgcctttgct 180

tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaggagtt 240

agtgggttaa aaccataaac aacttcaaaa ggagaacaat tagtggtgct atgaacagct 300

ctattgtaag caaattcaac atggggtaaa caagcttccc aagttttaa gttcttcctc 360

aaaactgtcc taagcaaagt tcccaaagtc ctattaacaa cttccgtttg cccatcggtt 420

tgtgggtgac aa 432

<210> 7015
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7015

ntattcaaga canagaaatt aaagatattc aagatggatg atcaagacag tttttagagt 60

cttagaaagg gtatattaaa taggaaggga attccaattg aagtagcaaa aggtttggcc 120

aagaattcta agttaaaaag tctttttcaa caaatttact ctctggtaat caattaccag 180

atgatgtaat cgattaccaa tggccaaaac tgatttacaa cagctattaa aatttgaatt 240

caaaatttgc actgtgtaat cgattacaca tatatggtag tcgattacca gcagttattg 300

aacattttaa ttcaaattnt aaagcttgta atcgattaca caaataatgt aatcgattac 360

tagagcacat ttttagaaaa tattctcgac agacacatct ttntgtgtgg ttcttgaatg 420

gctatcatan gcctatatat atgtgacttg 450

<210> 7016
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7016

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acatgtcaca aggtggatga tgcttcccac atctcanaac tctcttacag ggaagttgtg 120

agactccatg gtttgcctag gaccattgtg tcagatagag atgctaagtt cattagccac 180

ttctggaaaa ccttatgggc taagctagga actaaacttc ttttctctac cacttgtcat 240

ccacaaactg atgggcaaac agagttagtg aataggtctt tatccaccct tttaaaggct 300

cttctgaaag gcaaccataa gtcttgggat gagtatcttc ctcatgtaga atttgcctac 360

aataaggggg gtcatagaac caccaagcgg tccccttttg aggttgtcta tgggttcaat 420

cccctaacac tgttagaact cattcccctc ccactggaca ctttatttat acat 474

<210> 7017
<211> 417

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7017

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taacttatga ccattttaat ttctcgagag cttccgttgt tcaatttcga gcgtctcgat 120

atattatgcg cctgaatcgg acatccgtgt gaagggttat gaccatttca atttcacgag 180

agcttccgtt gttcaatttc gagcgtctcg atatgtgatg ttcctgaatc ggacctccgt 240

gtgataactt atgaccattt tgaattctcg agagcttccg ttgatcaatt tcgaacgtct 300

caatatgtga tgtgcctgaa tcggacctnc gtgtgataac ttatgaccat ttagaattct 360

cgagagcttc cgttgttcaa tattgagcat ctcaatatat gatgtgcctg aatcgga 417

<210> 7018
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7018

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gatgtccgat tcagatgcat aacgtatcta gatgctcaaa attgaaaaac agaagctctc 120

gagaaattca aatggtcata acttttaaca tggatgtctg attccgaagc ataacatatc 180

gtgacgctca aaattgaata agagaagctc tcgagaaatt caaattgtca taaattttca 240

cacggatgtt cgattcgggg ataaaatatg ttgagatgct tgaaattgag agataaaagc 300

tctcgtgaaa ttccaatggt cataactttt cactcggatt tccgattcaa gacacttgaa 360

attgaccaac ggaagctttn tagaaattcg aatggtcgta acttttcaca cggatgtccg 420

attcggcgaa ataata 436

<210> 7019
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7019

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aattcactac tttgataaaa tattattttt catgaatcat ttatttttat tctataatca 120

caattctgaa agatatttta agatgttttt tgaattaaat attattaaat aaattattta 180

atctatgtat ttgataatta gatttagtta tatttaggtt cagatggaat atgttttaaa 240

ataacataaa aaaatttaaa attttatcaa aatcagcgca aatcaaatat aataaaacca 300

tttagtaata taatattttt aaccttaatt aagtatccac atgattacat cgatgtaaaa 360

gccctgaaaa ccaatcactg ataactttga agttagacca gcaccatatg catgattagt 420

ttagaaaact taggaggaaa ga 442

<210> 7020
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7020

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ttcttcttca ccagctcatt gagaggtgat gcaattgtag agaaattagg aatgaacctt 120

ctatagaagc ttgctaaccc atggaagctc ctaatatctc ccacactttt tggggtgggc 180

cattctttga tggccttgat tttctcaagg tccacttgga ccccatttct accaactaca 240

aaacctaaga aaactatatt atctacacaa aaggtacact tctctatatt tgcatagagg 300

gtgtttttcc taaggactga aagaacttgt ctgagatgtc ctaagtgatc atctaggctc 360

ctactataca ctaaaatatc atcaaaataa acaactacaa atctacctat gaaatccctt 420

aagacatgat gcataagcct cataaa 446

<210> 7021
<211> 430
<212> DNA
<213> Glycine max

<400> 7021

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gcatctacga tcataaactc atccaaaaat gaatcacttc atgttaaatt ctcacacgac 120

ttcatcaaat gaaaatttca tgtctatttc tctttttgaa ggtatattta caaaggtctc 180

tcatggctct aagaaatttt atttttatt ttggatttat tgcctggata cagtgatttt 240

attgaggagt gggtcaaaat tggcttgcct gcaaaggcaa aggtgaagac acaacatggg 300

gatgcacctt ctgctgagtt gtgctcacac tgtgagaagg tatgagacac attagtacaa 360

gctacatgct agctaaatag tattttctaa tatttttcac aagactcaga cttaacttca 420

acacatcttc 430

<210> 7022
<211> 207
<212> DNA
<213> Glycine max

<400> 7022

tagcctctcg acatattatg cgctccactc ggacatccgc gtgagaagct atgaccatat 60

gaatatctcg agagcttccg acgctgaatt tcgagcgtat cgatatatta tacgcctgga 120

tcggacctcc gcgtgagaag gtatgaccat atgaatatcg cgagagcttc cgctgtgcat 180

tttcgagcgt cgctatatgt gatgcgc 207

<210> 7023
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7023

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tagttcaatt tcgagcttct cgacatatta tacgcccgaa tcggacattc gtgtgaaaag 120

ttatgaccat ttgaatatct cgagagcttc ctatgtttaa tttcgagcgt atcgatatat 180

tataagcctg aatcggacat tcgtgtgaaa agttcttacc atttgaattt gcgagagttt 240

tttatgttta atttcgagcg tatcgatata ttatacgcct gcatcggaca tccgtgtgaa 300

aagttatgac catttgaatt tctcaagagc ttcggttgtt caatttctag actctcgaca 360

tattatgcgc ccgaatcgga catccgtgtg aaaagntatg accatttgaa cttctcgaga 420

g 421

<210> 7024

<211> 385
<212> DNA
<213> Glycine max

<400> 7024

gggcgcgaaa catgtagagg aatctaactg ccttggctcg tgtctgctgc agttagagat 60

ttatagcatg aacaagtatt tccattaaac aaagggatgc atggacttgc tacaccactt 120

gtggaataca gacttgctga tggaactgaa tttgaaatgg aagcgatacc aatgggggtc 180

aatagtcggg acatctctaa cacgtttagg attgcctctc catttgtagt tgatgaaact 240

atgcttgaaa aagcgcttgg ggtaattgat aatgatatgt cataatgccg tgttacaaat 300

ttttttaata tattacatgt gaatgaatag gctcggctct gatgtcatca tgaatgattt 360

ttcttaagca aatcttgaag gaaaa 385

<210> 7025
<211> 463
<212> DNA
<213> Glycine max

<400> 7025

ctaagcttat taatgatgcc ttcaagcatt gtataatctg taactccaat ctttccatga 60

agaagccaca taagccaatc cgcttggtgc aacaacagag catgtttttg gtttgaacca 120

acatgattcc accacgagac gagtttacac agagtggatg atccggtgca aaccgtatga 180

tttggaggag caatagattt caccgttgcc aaagcatcag ggcaactctc attgtaaagt 240

aaaggtctcc acaacggttc ttccgagtca ctgcaacacc agattcatat tcctacttca 300

gaattcaaat acacgataat cttaatcttt aattaacaga aagattaaaa tttaaaacaa 360

aaagtcgatc cacctatcga caatgatagt agttgcagaa gtcccatcaa cagaaatgga 420

gacaacgtgt ttgcgaatgt gaagtgtgac atcatgaagc ata 463

<210> 7026
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7026

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tgatatgaaa gtttacattt cacttatcta atagctaact tgattattta ttttgttgat 120

cctttcagaa aatcgactgt attcacaaca atgcagttat ggagttgatg agaggtgtta 180

gaaatcagtt aactgaactc atatctggtc tagctgttca agacatggcc ccaatgagtt 240

tgggtttatc tcacagctta tccagataca aattgaagtt tagtgcagag aaggtgtatt 300

ttccgttgac tttatggtta taaggaattg atgttatcat tgtactctta ttctaagtat 360

attgaccaca ctgtagattn ttattatgtt gaggtctata tcctactctg ctattcacca 420

aagaaatact c 431

<210> 7027
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7027

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gtatgtatac atgattntga tgatgtcaaa aaagaatcta acaaggctgc ttcaaatgat 120

aagcatttgc ttcaagaata attcaagatt gcttcaacaa acaaagcctt gtttcaagat 180

tcactaaaga ccaagccttg ccttaaaaca aagtgatttc aagacatgca aggctctggt 240

aatcgattac caggaagtgt aatcgattac cagaagacgg tgttgagaaa tagctgttga 300

aaaagggttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360

accagcaacg aaactttgga aactcaaatt caaaagtcat aaccctgtca attataactg 420

tgtaatcgat tacgcaaaca ttgtaatcga ttactagtgg aaa 463

<210> 7028
<211> 426
<212> DNA
<213> Glycine max

<400> 7028

aaatgttcga caccgaaacc tagtgaaggt tatcacttct tgctccagtc ttgattataa 60

gggagaggaa ttcaaggccc ttgttatgca actcatgccc aatggtaact tggacgtgag 120

tctatacccc gaagatgttg agtcaggatc ctctctacct tgttgcaaag attgaacatt 180

ttcattgatg ttgcctctgc tatggactac ttgcaccatg actgtaatcc acccgtagtg 240

cattgtgata tgaaacctgt caatgtcctt ctagatgaaa atatggtagc ccatgttgca 300

tattttggat tggaaggttt ctatctcaaa gtacatctga gatgcagagt agcactctgg 360

gactgaaagg atcaatatgc tatattgccc ctggtacaca ttaatgtttc tcttcctatt 420

aatact 426

<210> 7029
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7029

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agtactntgt tttctagtcg tgtatttggc tatattatga cattttggat aatttagtat 120

ttctttattt gcatggtttg attgaacaat tatgaattat gttatatgac tatgtggttt 180

ttatatttga tctattcatg tttcttgctt catgattggt ttatattctt caatgtatgt 240

cttgtgaatg attaatagta tatgattgtc atatacttgt tacgcacttg ggctctttgt 300

tgatgccaaa gggggagaga aataggaatt aaatcaagaa ctcacataag taattaactt 360

aatttcaagt gaagcataaa ttaaaaaaca caggggggaga atggaaaatt aagtgagtga 420

tcgactacga naaagtgtgt gtatgtgt 448

<210> 7030
<211> 433
<212> DNA
<213> Glycine max

<400> 7030

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gcctccaatt tttaatggaa agggttacca ctactggaaa acccaaatgc aaattttcat 120

tgaggcaata gacttaaaca tttgggaagc catagaagtt ggaccttatg tacccaccat 180

ggtggctgga aatgcaacaa tagagaaacc tagagaagag tggactgaag atgaaagaag 240

attagtgcag tacaatttaa aggctaaaaa catcattact tctaccctag gaatggatga 300

atattttagg gtttcaaatt gtaagagtgc taaggatatg tgggacactc tacaagttac 360

acatgaggga acaactgatg tcaaacgatc taggataaat actttaactc atgagtatga 420

attatttagg atg 433

<210> 7031
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7031

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aacaattatg acctctccag caacagatat aaccctagat ggaggaatca ccctaacctc 120

agattgtcca gccctcagca acaacaacaa caacctgctc cttccttcca aaatgttgct 180

ggcccaagca gaccatacat tcctccacca atccaacaac agcaacaacc ccagatacag 240

ccaacagttg aggcccctcc acaaccttcc cttgaagaac ttgtgaggca aatgactatg 300

cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caattagatg 360

ggacaatngg ctacacaatt gaatcaacaa cagtcccaga aatttgacaa gctaccttct 420

caagct 426

<210> 7032
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7032

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aaganagcac gtcatgcgat tccccaggta tgtcgagtcc cgtggcagca gagaacccta 120

tcctcaccca ctcgggaaga gaagtcttca aatcgaccac atcggagagg atattgctgg 180

ttctctgtga agggtagacc acagaagcaa ccaagaagct ggtggaggca tcataggtaa 240

tgagaacctt ggctacttta ttgttggcca aatcccaaga cgtcgttttg atggatctga 300

tagaattgac gttaattccg atgtgtggat ttggtggatc ccaagagttc cggaaagtgt 360

caaactcaac agcgacgact ngatcaccag act 393

<210> 7033
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7033

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ttctgtatga actatagctg tacatacccc tctaatatca tatataacag cttcacaatc 120

taattcaata ataatccaga ctcaagcttt taatttttt tagttaaagt cagattatat 180

atattaaaaa aaagcttatt aagttttata gactaaccta tttagtaata attaatattt 240

ttttaataaa aatattgttt taatatgaaa tataatatta taattatttt agtaatttgg 300

atatttgaat cattttaatg tttgaaataa gttaattaat gtaaacatag atgaataata 360

gaaataagga ttatttttctt ttgttgggac ataaaagaat ttgatatcct atcacatgta 420

atgggttata gataaatttg atcaaatctt attatcttaa aatggtttat ta 472

<210> 7034
<211> 423
<212> DNA
<213> Glycine max

<400> 7034

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gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg atctatctct 120

ttttgatgca gatggaggag ccttggattt gaggacaaat ccttttcaag gagggagtga 180

tgaggacata accaagggca aggaccatga agcacttgaa ggtcccatga ccagaggcag 240

acttaaacaa gcccaacaca tcatagagac aaggctggtc atttgtatag ctgtcattga 300

tgatgattga aggcccaagt ggagaaagat gaaggcccag aggcagatgc actaccaaga 360

ctactaattg ttgctgaagg cccaaactaa cttgaaggcc caagttaaat aagtttttag 420

tta 423

<210> 7035
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7035

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aaccccatgg atcaatgcat atacctcaag gtcaatggga gtaaaatatg ttttcttgtt 120

ttatatgtag atgatatttt acttgcagcc aatgatcgag gtttgctaca tgaggtgaaa 180

caatttctct ctaagaattt tgatatgaag gatatgggtg atgcatctta tgtcatcggc 240

attaagattc atagagatag acctcggggt attttaggtt tatcatagga aacctatatt 300

aacaaaattt tagagagatt tcaaatgaaa gattgttcac taagtgtcgc tccccttgtg 360

aagggtgata tgtttaattn gaaacaatgc ccatagaatg actatgagag ggaaaaaatg 420

aataaca 427

<210> 7036
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7036

agctngttnt aaaccatata tagatttatt aagcttgcaa accaaatgct caccactatc 60

agaggagaaa cctttaggtt gtttcatata aacctcctcc tctaaatcac cattaagaaa 120

agttgtttta acatcaattt gttgcaactc aaggtcaaaa tgagcaacta atgccaagat 180

tatacgaaga gaatctttct tagatactgg agaaaaagtc tctttgtaat ctattccttc 240

cttttgagta aatcctttag caacaagtct tgccttgtat ctctcgatgt tgcctaatga 300

atccctttg gtcttaaagg cccatttata tccaatgacc tttgccccat taggcaactc 360

tacaaggttc caaactttgt tactctgcat agaattcatc tcatccttca tggcatcata 420

ccataaatnt gactctttac aactcatg 448

<210> 7037
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7037

cttggagtnt ccaagtgcca attcgtcttc ttctntagtc cagtcttctt ctggcttcaa 60

ttcatcagtg ggctttcctt ctgtgtccag catcttggga tgttcccagc ctttgatgac 120

agctttccag gttctgctat ccagtgattt gagaaaggcc accatccttg ctttccagta 180

ttcatagttg gtcccatcca gaattggtgg tctgttcact ggtcctcctt ctttctccat 240

gttcatcaga atttatctcc ctagatctca ctcagtgatt tcgagtgcct gctctgatac 300

caattgaaat tctgatactg tggacagatg tcgtacagga tgtcacgaca tcatgcttca 360

gaacatgctg attatatttg agcgtatgaa caggttaaac aagtaaataa cacaagagaa 420

ttgtataccc agtc 434

<210> 7038
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7038

ngctttccat tgtgcgtcca tagtattggc tttgcagttt catcagtatg catattgact 60

atgtttcaac ctatctttgt aattttatag atttgctgtg ttttcatttg tcttatcaga 120

cctcaatttt cgtcatgttt tttgttacaa attggctcaa ttctaccttg tcttgtatca 180

aaatcgactt cattntaact catccaaata tgtagnttgg tgttatgttt gattctatat 240

gtaatttgtc tccgcctctt attcacaaat atagttcggc ctcatcttta agccagatat 300

gatgttgact tcatgctttc cattatgtgt tttaatttta gtttgtttct cttgatatgt 360

ttaattttaa caagctatac cagagtgata gaatatcaca agtgtgtaca tcataatact 420

atctaatatt attatatctt attatatata gcgtttaagt atc 463

<210> 7039
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7039

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aggggttagg gttacttcac tctgtangat ttatggttac gtgactaatt aggatttagt 120

tttacttgac catctatggt ttatggttac tngattaatg gcgaatttat gctaccttac 180

taagtaggga ttatgattgc ttaactaatt anggtttaag gttagcttac tagtcaaggt 240

tcactaattg tggtttagtg ttacataaca aattacgatg gtttcactaa ttagtgccat 300

taaaggttta acatgataat atcaattggt gattaattta taatacacat acaacataca 360

tgataataat taaaaatctt atcaaataac attaaataat aaacattngt taatgatatt 420

gcatacataa ttcatattaa a 441

<210> 7040
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7040

atcggaacac tcgggtgctt acacaaggtg caaagactcc aactttaaac acttggaaac 60

ccccaaaagn cccacatcgc taacctgaac cttctctaaa tgaatctcaa ccaacccgga 120

attcaacttt ccaacacttt ccagagtcac atcccaatcc cctgaacacc gaatcaactt 180

gagcgtttca agcttcttcg agttaattat taacggcgcg aaactgtggc ctgtaacgag 240

ctccttgagg caaatcgatt tcaacgaaga agaggaagta acggaaagag gcaccgattc 300

cgcgccgcca ccgtta 316

<210> 7041
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7041

tgtaagacaa gaaagtgcaa ctgagatatg atatgcccta ccactgtttg gttatcctga 60

agatggcaca tttgtggagc aagatttcgt tattaaagga caattatgtc ttgccataca 120

atagatttga cccagcaggc ctgtttgaaa ttatttaact tactgcaatg aatcctagct 180

tggtaaataa ttcttcaccg actcatccca gatggagaaa agtagcttat ggtggtatgc 240

aacctggtta tgatgacaat catacagatg aatctttcct tgaaggaatg gtcatgaatg 300

ccagtgttgt aaaacgggac atgctaaagg tgatgctgga nctcggttcc atttctgaaa 360

tattatgtat tggtgctctt gatgcttggt ctggacctgt acacttgcat caactattga 420

tgaaaattct c 431

<210> 7042
<211> 381
<212> DNA
<213> Glycine max

<400> 7042

agctataact gtctggtaat ctatgaacat atgatgactg gatctccagt gggcagatac 60

gtgatagaac agctataaaa atttgaattc gaaattttaa aagctgtaat cgattacaca 120

attgtggtaa tcgattacca gcagttagta aacgttttaa ttcaaatttt aaaagctgta 180

atcgattaca caattgctgt aatcgattac cagacaggaa tttcagaaaa ataatttcaa 240

gagtcacaac ttttcaaagg ctttactcat gaccaccaat ggtctatata tatgtgactt 300

aaacatgaaa ttgctcagag attttcagaa caacaaagtg tttatcctct caaaaagcaa 360

tttcatttta tcctcttaaa g 381

<210> 7043
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7043

tccccttatt cacttcccta cttaaacccc acatgtttct ttactatttc atttaaggaa 60

gagctagtgt gctaaagtct ttgataaagc acctatagaa actagctaac acatggaaaa 120

tcctcgcctc acccacattc ttaggggtag gccaatctct aaatagcttt cactttatcc 180

tcatcgactt gcatgccctt agagctcaca acanattcta ggaacactac ttgattagtg 240

caaaatgtgc attagcctta tttgcattca agctctctct tttaagcact tccaaaacac 300

tcctaatatg gtccaagtgg tcatcaaatg tcaaactata gatcgagata tcaccaaagt 360

acacaaccac aaatttaata atgaagtgtt tcaaaatatg ggtcattaat ctcatgaaag 420

tggttggtgc attggttacg ccaaaaggca tgaccaacca ctcatat 467

<210> 7044
<211> 459
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 7044

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aaggttattg tcgtttgaat ntgctcagag cttcannatt tcaattgcag tgtctcaata 120

tgttacggga ctcaatcgga catccgagta agatgttatt gtcgtttgga attgctcaaa 180

gtttcttttt taaatttcga gcgtctcgat atattatggg actcaattgg acatcggagt 240

aaaaagttat tgtcgtttga atttgcttag agcttctatt ttaaattctg agcgtttcga 300

tatattacag gactcaatag gacatctgag aaaaatgtta atgccgtttg aatntgctcg 360

gagcttctat ttttcaattt gagtgtcccg atattntaaa ggactcaatc ggacatccga 420

gtaaaatggt attggtcgta gaagttgctc agagcttct 459

<210> 7045
<211> 438
<212> DNA
<213> Glycine max

<400> 7045

agcttgttga gtatgcagtg aaaaatggcc ctgactttga agctatgata tgtgaaaaac 60

aacgggataa tccttcctat agcttcctct ttggtgggga aggtcatggt tactaccgtt 120

ataagctttg gttatcaact cgtcccccgg gtggtccatt caacccgtct tttccatcat 180

cttccatgcc catgatgctt cctccaaatc caatgatgaa tctgtctcct gtaaatgttt 240

ctccgatgaa ccctgcagga attggttctt caccttcgat gctaggtcca cctcctttcc 300

aacagttcta tgatcaacaa caccaccatc aacatcctca gtcttttgga cttcctggtc 360

ggcctgagta tgatccgtca tccaagtctt tcaaagggat ctctgggcca cttccatctg 420

atgttgcaat ggagctca 438

<210> 7046
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7046

gcctcacgtc agtggtacct taagtntcat gggataatnt cttcattngg ttntgatgaa 60

naccacatgg atcaatgcat ataccacaag gtcagtggga gtaaaatatg ttntcttgtt 120

ntatatgtag atgatattnt acttgcaacc aatgatcaag gtttgctaca tgaggtgaaa 180

caatttctct ctaagaatnt ggacatgaag gatatgggtg atgcatctta tgtcatcggc 240

attaagattc atagagatag acctcgaggt attttaggtc tatcatagga gacctatatt 300

aacaaaantt tattagtgat ttggatgaaa attgttcacc aagtgttgct cccatcgt 358

<210> 7047
<211> 227
<212> DNA
<213> Glycine max

<400> 7047

tagctttaga tttggatcca taggactatc aacaggtcta caattctgca tacctgtctc 60

ctccaaaata tcaagagcat acttcctctg tgagatcacg acatcatctt ctgattgagc 120

aacctcaata ccaagaaaat acttcagata tcccaaatct ttggtctgga agtgactaaa 180

caagtgttct ttaagttggg caatcttagt agtatcattt cctgtta 227

<210> 7048
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7048

ggtatgtata taacattgta tagggttatg ggtgatgaga ggtgcacagt gcctgagtgg 60

gtagcatgaa catgatgacc attatggagc ttcactgtaa ctgggttaat gcgttcatat 120

gaatggagat tattcatgga acaagatacg tgatctgtag ctcctgaatc tagtatccag 180

gagctagtaa aaggttgaga catacctgcg ttggaacggt tatcaatggt gcaggatgag 240

aatgacgcaa ctcgtttggt ttgctccgat gccgcgttta cggccgatgg ccgctggatt 300

aaagcaagta nggccttgta cttctcacgc gagaatcgca cgagatctgn gactcatgat 360

gctgagtttg atcatncagc ggtttattat ccaccgtcat cacgtcattt actgtaggtc 420

ttcttccatt at 432

<210> 7049
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7049

gcagccattg agagagctcg agtgccactg tcactagaca ccatataatt caataatggc 60

ccatataagc acacaagaat atactgaaca tttggcagac tttagctagc atcggatata 120

acatggtttg agcttctctt ccctaattaa aaattgaagt ttctacatgg atatacaaca 180

tattattaat tacccggata gagaagatga taaaagagag aaagatgtac atgtgatgat 240

aagtaatata tatatgattt gtttcttgct accataagta tgatatcata tgataaaatg 300

aacaggtcaa tgaaaagaca taagagtatc attgtgagtg ttacattatg catatatgtc 360

caacaattat aactctanac ttttagacag ctctattgtt tgtatagata tatcatgata 420

agacactagc tactttataa gaactatat 449

<210> 7050
<211> 229
<212> DNA
<213> Glycine max

<400> 7050

agcttgccgc cacggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60

agagagcaag aaatgaagag ccaatggttg atacatggac agagatgaaa aagatcatga 120

ggaagcggta tgtgccggct agttactcaa gggacttgaa atttaagctc caaaaactaa 180

cccaaggcaa caaggggtt gaggagtatt tcaaggaaat ggatgtgct 229

<210> 7051
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7051

gctgtcacct ctgtntctct acctntcatc acanaccctg gtggttgagt gacanaaact 60

tcttcttcta gtgagccatt aagaaatgca gaatttacat ccatttggtg tacttcccag 120

caattgaagc tagccattgc tattacaagt ttcactgttt ccaacctagc aacaggggca 180

aatacttcat cataaaccag accttgcttt tgcaaaaatc ccttngcaac cagtctggct 240

ttgaactntg ttacttctcc tctaggattc aacttagttn tgtagaccca ttntactgct 300

atggctttct ttcctattag tagctttgtg agactccatg tcttgtttct ctcaatagac 360

ctcaactctt cttccattgc ttcaacccaa tgtgagtgct tcanagcttc ttccacgcca 420

ataggttcca tctcagcaag taaggccata tggacaaagt caccatcaac tgtaatcgag 480

gaatctggga atatctcata gtca 504

<210> 7052
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7052

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ttctttctgt tatgacaatg taatattgtt ttatttctta tttacaaagg gtattgtggt 120

tcaaagatct gacttaactg ggcttataat gcggcgaaat gaactagcaa gtgatcttct 180

taaggcatta actntgcaac aactgcctcc aatgttacag gtatgggctt ttccataatt 240

tatataatgt atttttaaca acttcattgg attgccatta cgagccttca ttntctgatt 300

gtagagtcct agcatttgca aaggttgtcg ccatcttaat gtgtgtagca tttatcata 359

<210> 7053
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7053

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cttatctaca cacccnctat aatagctaac tcatccccat gacaaaatac atgaaaataa 120

aaaaaattct ctactacaaa gactactcag aatgtctcga aatacaaggc taanacctta 180

tactactaga atgaccaaaa tacaacgccc aaacgaagca gaaacctatt ctaatattta 240

caaagataag cgggctcata cttagcccat gggctcgaaa tctatcataa ggctcatgag 300

aaccctaggg ccttcccttg gatctctggt ccaatctact tggattcttc ta 352

<210> 7054
<211> 227
<212> DNA
<213> Glycine max

<400> 7054

ttgcttggta tctcagcaaa agttcgtttc atcagttaga tttcttgtta gttagttaga 60

attagttctc gagtgtaact gattaaaaac taccagcgct ttctctttct tctgctactc 120

tgcaaagata taaatacgta ataaatgcat cagtaaaaag gcatgcagta tttggtcact 180

ttgcacatga tttacgctta tctttctctc tctatggcac aatacct 227

<210> 7055
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7055

atgcattcta tcagaagcat ngcattgcat tcaaatatgt cttntatgcg ttcaacagca 60

tccaaaggat agacctacaa tgtcaactgt tgttgtgatg ttgattagtg agagtgccat 120

tccccaacct aaggaacccg ctttccttat ggacaataac gttntttgtg atgcaggttc 180

ttcttccatg catcagtttt caaccaattg actaagtact accatgttag agcctcagta 240

gtggatcatt tacctgcatt ggatctttta agatgggtaa aacttcagcc tcggtgagtc 300

ggtttgtatt cactatactg tatacatatt tcttcacatg tgttggttaa gcctagtgca 360

tttcctttac cattgcattg agcctattca aattcac 397

<210> 7056
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7056

tagaagatct atctatgggc taaaacaagc atgccgccaa tggtatatat agtttcataa 60

tgtggtctcc anatatggat tggaggaaaa tgttgtaagc caatgcatgt atcttatagt 120

gtgtgggagt aagtatattt tcttagtcct atatgtatat gatattatac ttgcaagtag 180

tgacttgcgt cttctgcatg ataccaaaaa tttcctctca caaaactttg atatgaacga 240

tatgggtgaa gccttctatg tcattagaat agacattcat agagatagat ctctaagaac 300

atcgagatta tctcaaaagg cttacataga acaagttgtg ataagatata atatgcacaa 360

ttgtcatcaa ttgctacaac tatagttaaa 390

<210> 7057
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7057

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gaggtatgcc tatgttgttg tggatgattt ctccagatnt acctgngtca actntatcag 120

agagaaatca gacacctttg aagtattcaa ggagttgagt ctaagacttc aaagagaaaa 180

agactgtgtc atcaagagaa tcangagtga ccatggcaga gagtttgaaa acagcaagtt 240

tactgaattc tgcacatctg aaggcatcac tcatgagttc tctgcagcca ttacaccata 300

acaaaatggc atagttgaaa ggaanaacag gactntgcaa gaagctgcta gggtcatgct 360

tcatgccana gaacttccct ataatctctg ggctgaagcc atgaacacag catgctacat 420

ccacaacaga gtcacactt 439

<210> 7058
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7058

gttcttcctc anaactgtcc taagcaaagt tcccttattc ctattaacaa cttccgtttg 60

cccatcggtt tgtgggtgac aagtggttga aaataacaat ntagtgccca acttgctcca 120

caaagtcctc caaaaatggc ttaagaactt agagtcccta tcactaacaa tgctccttgg 180

caaaccatgg agtctcacaa tctcctttga aaacanatca gccacatggg aagcatcatc 240

aactntttta catggaataa aatgagccat tttagaaaac ctatcaacaa ccacaaaaat 300

ggaatctcta ccattgcttt gttttggcag ccccaaaaca naatccatgg ataaatcaat 360

c 361

<210> 7059
<211> 232
<212> DNA
<213> Glycine max

<400> 7059

agcttttgtt ttcaattacg agcgtctcca tatattacgg gcctcaatcc gacatcggag 60

taaaaagtta ttgtcgttag aatttgctca gagcttctgt tctgaatttt gagagtctcg 120

atatactacg gaacacaatc ggacatctca gtaaaaagtt attgtcgttt gaatttgctc 180

agagcttctg ttcttaatta cgagagtctc gatatattac gggattcatt cg 232

<210> 7060
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7060

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ngcgtttgac tgatctgcct caacataaga atgttgttaa ttggaaatgg gtgtataaga 120

taaagaacaa atcatatggg tcagtggaaa tacataaggc aaggttagtg gcctacgact 180

acacttaagt ggaagggcaa gattacttac acatcctttc tacagtggcc aagctaacca 240

caataagagt tttattggcc ttagtctgta tcgatcagtg gtatcttaag tgattagatg 300

ctaatgatgt tttcttacat ggtgatttga atgaagaggt gtacattatg cttcctcaag 360

gtatgtaggt agctaagcct aggcaagtct acaagctgca gaggtcccta tatggactga 420

aac 423

<210> 7061
<211> 226
<212> DNA
<213> Glycine max

<400> 7061

tttcttattt tcgacagggt gagctttctc aattttaaac caaccatcta ctatgttgtt 60

gtactcagca cgtttaacag cgggtccttc aggtaaacca tccacaatac cccaatcacc 120

agtaaaaggg atacaagacg gcataactgg aaaaaaaccg aacgaaatgc tcaaaggatg 180

gccttcggcg ataacaacga ctcgtaatgg ggatgaaata attgtt 226

<210> 7062
<211> 222
<212> DNA
<213> Glycine max

<400> 7062

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60

ttcacccgac aaagacactg acaaaaactt atcttctcct ttttggacaa agtatggcaa 120

actgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtatgccc 180

atatcagcta gatcttgacg ggtattcaag ccatccttcg tc 222

<210> 7063
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7063

cgatgctctn tctcggcgtc atgcattact ttctatgctt gaaacaaaat tgattggtct 60

tgaatgttng aaaagcatgt atganaatga tgaaactgtt ggagaaactt ttaaaaatcg 120

tgaaaaattn tcagaacatg gtttctttag acatgaaagc ttttctttta aagaaaacaa 180

attgtgtgtg cctaaatgtt ctactagaaa tttgcttgtt tgtgaagcac atgaaggagg 240

tttaatggnn gcatttgggg tccaaaagac tctataaaca ttacaagaac 290

<210> 7064
<211> 241
<212> DNA
<213> Glycine max

<400> 7064

tgaaggcatg caagcttgga cttcctgtgt tttgggaccc tctccttcct caggtgtacc 60

caaacccaat cacctggttc aagcacgact ttctttctgc ttttgttggc ttgccttgca 120

tagctcgcat ttttcttttc aatttgaacc ttcacttgct catgcaactt cttcacatac 180

tcagctttag cctgtgcatc cttatgctta aacatagcaa tgttaggcat aggcaacaaa 240

t 241

<210> 7065
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7065

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cctagatgag taccttactg ctaagtgcat tatcttggca tcaatgagtt caaaactcca 120

aaggtaacat caagacatgg acccatatga gatcgtcaaa catcttaaga agatgcatgg 180

tggtcaaagc aggacgaact agatttagtt atctaagacc ctgtttagat cctcacttgc 240

tacaaatgan aaggttggac cccatgttct taagatgatt gatctcatag aacaacttga 300

gaaagttggg tgcactcttg ggaaagagct ntctcaagaa ttgattctac aatcactttc 360

tgattcattn tcataattta ttgtgaatnt caacatgaat aagatgagtt gtgactngca 420

tgagatgctt aatct 435

<210> 7066
<211> 227
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7066

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tcacacgcag ttctgaacct ccttagggtt ttgactaatg tccactttgt tcttcttttt 120

aaattcctat acaaaatggg tcaccattct gttttcaaag tcatgtccac cttaagtgag 180

tgtttccagc aatagcctta tcttggaata gcttatcctt gatcgtt 227

<210> 7067
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7067

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ataacgacag ctatcgatat attcaacggt cataactatt aactcgaaag tctgagntag 120

gcgcatcaca tatagagact ctcaaaatgg aacaacaaaa gctctcgaga aataagaata 180

gtcgtatctt ntaactcgga cgtccaattc atgcgcataa tacatcgaga cgctcgaaat 240

tgaacaacga aagctctgga ga 262

<210> 7068
<211> 225
<212> DNA
<213> Glycine max

<400> 7068

ttgcttttat ctataaatga ataaaataat ctatgcatgt gccatgtcat ctttgccctc 60

tgacacacac ttttgaacct ccttagggtt ttgactaatg tccactttga tcttcttttt 120

aaattcctat acaaaatggg tcaccattct gttttcaaag tcatgtccac cttaaatgag 180

tgtttccagc aatagcctta tcttggaata gcttatcctt gatcg 225

<210> 7069
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7069

cactatntag ccacctttct agtgacaaac taaatcacta cttcatctat tnttctcacc 60

acctgtaatg caagtttgaa taaaatgaaa ttgaatacca tgaattcaat gaaaatttaa 120

atacaaaggt ataaaaatat ttaaacatga aagttaatgt aataaggcat aactatntca 180

tttaattgtg actggctcct gccaaanacc taagcaatgg aacatcttat ctaaaggaaa 240

aaataaaatc atggatgttt tgctcagaca atcaaagcat atttcgaagg atcttcaatc 300

aactntgttg tgtactacct tagcatacct taatcttaag tttcatcccg ttataataca 360

atctctgtac ctattgatgc aatc 384

<210> 7070
<211> 388

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7070

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ganactcgtc atcagtcgag atgttgaagt tgatgagtac acttcttgga attgggatga 120

agaanaagtg gagaagaaca ttcttatact cgcccaacta cctcaagaag aagctgagga 180

agaagatcca ggtgaaccac cttcatctcc accacaacaa caagatcatg aactatcatc 240

atcagagtct actccaagac gagtaagatc tttggtggac atatatgaaa cctgtaactt 300

ggccatactt gaacctggaa gctntgaaga agcgtcaaag caggaagtat gggtcaaggc 360

aatggaagaa gagatacaga tgatcgag 388

<210> 7071
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7071

cagcttcatc agccttgaaa caaaggtaaa agaaactatg gttgaaacta tccaaataaa 60

cactaaaaga ggtgtgaaag ataaggtaaa aaaactaatt ggtaaaatgc aagctatcta 120

ngcggttnta ccttatctac tagaatggcc aaaatacaag gcctagacga aggaaaaacc 180

tattctaata tttacaaaga taagcgagct catacttagc ccatgggctc gaaatctacc 240

ctaaggctca tgagaaccct agggcctttc cttggatctc tagcccaatc tactnggagt 300

cttctagcca atgcccttgc ggngtaggat tgcatcattc cctccacctt ggaaaggaat 360

tgacctcaaa tcccgaggtt cttcatactc tgngctcctt ccctcaacac ctgtaaaaag 420

aacaacaaca catgta 436

<210> 7072
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7072

gcttagttac tacttaagta gtgcacgatc tgcttctaga ggaaaacact ttgcctatta 60

gttactatca ngccaagaag atactgtgcc cgatgggtat ggagtatcag aagattcatg 120

cttgccctaa tgattgcata caatacatgc atgaatttaa agaaatgtcc aaatgcctta 180

agtgtggngt atcacggtag aaagtgaagg atgatgagga ctgcagttct aatgaaaact 240

catagaacgg ccctccagag aaggtgttct ggtatcttcc aatcattcca aggtgtaagt 300

gtctttntgc taatgcagat gatgcanaag accttacctg acatgcaaat gggagaaact 360

ctgatggaat ggtccatcat ccgactgact gctcccagtg gaagaagatn gatcgttngt 420

atctggattt c 431

<210> 7073
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7073

aagatgagca ataagagagg tgatttcaaa agaagaagag ttggtgaaga ttatatcatc 60

aacatacacc aacacatagg ttntagaggt aggtgtaaat cacatgaaaa gagaagtatc 120

actcttggct gaattaaatc ccaaggacct catagtcaaa ctgagtntgt gaaaccaaga 180

cctgnaggcc tgtttcaagc cataaagagc tttgagcagt ttgcatactt tgtgtttgtc 240

ggatgaaaca nagcttggtg gttgagtcat atatacagtt tcttgaaggt ctccatgcan 300

aaaggcattg ttgatatcca cttgatgaat aggccaatgt ngagaaacca caaaggacag 360

aaacagttct aatcgtgctg gcttaatcac tggact 396

<210> 7074
<211> 233
<212> DNA
<213> Glycine max

<400> 7074

agcttgatag catacatcaa cagtcacttt ctcaggcagc aatcgatcgt ttctgtcacc 60

caatcccaag tttccatatc ggccccagcc ccatccatac aaattcccat ctttagtgat 120

tgctacacta tgttcagcac cagcagcaac cattttgata ggtatttcct gcaaaaatac 180

aaagttcatg tctccaagta gttaagggaa taataatctg tttgatacat ata 233

<210> 7075
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7075

ggtgtaccct tgatcatagt tgtctataga gacctttgtt ntacctctag gttntgggag 60

agtttacaag aagccatata gactaaagtg gaacttagtt catcctatca ccctcaaata 120

gatagttaaa ccgagagaac tatctaatcc ttagaagacc ttcttagagc ttgtgcgatg 180

gaacanaaag gtagttggaa cgagtgtnta gcccttgtag agtttaccta taataataat 240

ttccatgcca gtacagggat ggcaccattt gaagccctgt ttgggcagaa gtgtaaaaca 300

ctctttgtgt tgtatgagat agatgaacct cttctgttag gtctcagcgt gttgtgaaag 360

cacactaagc aagtggaaac cattagagan aagatcaggg tggcatanga tacgccanan 420

agttactatg acaag 435

<210> 7076
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7076

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gttatgcaga acttcaattc cttattgtat ctagtgtgac atgtggtgta cctcggcctc 120

agataaaggc agcatgtagt catcctctgg tacttcttca acaggcaaac gataaagcca 180

ctaaaaccaa gaatcacatg attaaaattg tgaaagccat actgtgcaca taattcatta 240

acgttatttt agtagaatac aaccttctgt tcaaaaaata ctacaggaat tggatctcgt 300

atgcaagata gcaataaccc 320

<210> 7077
<211> 227
<212> DNA
<213> Glycine max

<400> 7077

ttgcttccat tagttgaaga ggcagttgac aacatctccg gtgttaattt tgcccgacct 60

taagaggcca tttgaagtgt attgcgatgc aagcgggcaa ggcttggggt gtgtgttaat 120

gcaagaggga agagtagtgg cttatgcttc acgccaattg catcctcatg aagttaacta 180

tccgacccat gatttggaac tggcagctgt ggtctttgcc ttaaaga 227

<210> 7078
<211> 406
<212> DNA
<213> Glycine max

<400> 7078

gtcagcatca gaagtatagt gctacctcac ctgtatgatt gctgcaacct cttcctattc 60

cggaacaggt ctgggaggat gtatcagttg attctatcac agggttgcct tgttcgagag 120

gctatgaagc tattctggtt gttgtggaca ggctgaccaa atatagccat tttgttgcat 180

tgaaacaccc ttatactgcc aagggaattg ttgagatctt cgtaaaggaa gtagtgaggc 240

tacatggagt tccaaaatct ctcgtgagtg atagagatcc tttatttatg agattgtttt 300

ggaaggaatt ctttaagtta caggggacaa tgctcaagat gagtacaact taccttccgc 360

agacggatgg acagaccata gtcacaaata ggtgtcttga aaccta 406

<210> 7079
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7079

tatcctgatg agggtgttcc atatgttctc aagactgtac taatacattt gctgcccaag 60

tttcatggtc ttgcatgtga agatcctcat aagcatctta aggagttcca tattgtttgt 120

tccaccatgn aatcccctga tgtccaagaa gatcatatct ttctaaaggc ttttccttat 180

tctctggagg gagtggcaaa aaattggctc tactaccttg ctcgcangtc ccatttcagc 240

tgggatgacc ttaagagggt gttcttggag aaattcttcc ctgcatctag gaccactgcc 300

atcagaaaag acatttcang catcangcaa cttagtggag agagcttgta tgagtactgn 360

gaaagattca aaaatgtgtg caacttcctc accccagatt ctgacaactc ttcttaatat 420

tttatgangg actacaacat gagaggagat gattgatctg cagtggtgga tttgatgaga 480

gatactttca ctccac 496

<210> 7080
<211> 226
<212> DNA
<213> Glycine max

<400> 7080

agcttgtagg gttaaagtct cacgattgtc acgtgctcat gcaacaattg ttagccgtgg 60

ctatacgaga catcatgcca aacaaattca ggttagcaat aactcgcatg tgctttttct 120

tccatgctat atgtagcaaa gtcattgatc cagtcaagtt tgatgagttg gaaaatgagg 180

ccgcaattat tctgtgccag ttagagatgt attttccccc tgcttt 226

<210> 7081
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7081

accgagttng agctngtagc gaatgttgct agaaatngca atntatgggc aagcctataa 60

tataatatac tgcaagcagg gaattttgct tttttgtcta gtttgcttca actcgattnt 120

aggtgtggtg cattttccgt ttgaactata catatcgcan ataaattgac caagactcat 180

tattgtaaag gttntttcac aataattatg gtggagaaaa tgccaattca natagaatgt 240

ccatgattnt gactatngct aacaagtttg acagggaatc aagtcctgtt attgtaatga 300

aatgaacttg cagaaatttg aacctctcaa cagat 335

<210> 7082
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7082

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aaaacgtctt cgaccactcc atatagtctt gtgatggagc gatcagccaa ctggagggtc 120

atacgtgtgg gcattatctc tatctctcnc agtcgccagc acatggagag aggcattaaa 180

tagatactac gctcccagtc aatgagagct ntacccacaa caacctcgcc aatggaacac 240

ggtatagtga cactctcagg atcttt 266

<210> 7083
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7083

tgtgaagaag atgtgggatc ttctggatga tgaggaactc ttcattattg gcatacatgg 60

aatgtgggga gttggaaaaa cattcatggc agctcatttc acgaatgaga ttataagata 120

ggcgactntc aaggatgtct tctgtgtcac tgtttcccat gatctcacca tattcaaatt 180

gcaacatcac attgcagaaa caatgcaggt taagctctac ggacatgaga tgaccagagc 240

aacaattntg acgtcagaga tggagaacag acagaaaaca ctgcttatnt tggatgatgt 300

ctgggaatat attgatctgc ataatgtggg gagtcctctt acagtgaatg gcattaaatt 360

gatcatcaca actcgcttgt aacatgtgtg gctacagatg gattgcctac cacataatac 420

aataacaata t 431

<210> 7084
<211> 160
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7084

ctcgagagtt tccgacgtct aattncgagc gtctcgatat attatcagcc tgaataggac 60

ctccgtgcga atagttatga ccatatgaat ctctcgagag cttccggtgt tcaatttcga 120

gcgtctctat atgtgatgcg cctcaatcgg acatccgagt 160

<210> 7085
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7085

tatgaatctc cggtaatatc ctgctaagcc cagaaaactc ctaatctcan aaagaaatnt 60

aggactctcc cactcaaaaa cggcttctat cttanaggga tctatagcta taacccctg 120

agatatcaca tgccctanga aactaacttt ctctaaccaa aactcacact tggacagctt 180

agcatanact ggtcggtccc taagggtatg cagcataatc ctcatgtgtt cttcatgttc 240

ttctctaatc ttggagtata ccaaaatatc atctatgaat actactacaa aactatcaag 300

ggtaaggtga aagactctat tcatgtagtc cataaacaca cctggagcat attcaca 357

<210> 7086
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7086

catacgatga catttcatnt aattatgntg ttgatcataa tntntcatnt atcanaatcc 60

tttgtagaat agttatttta agacatcaat aatcgattct aactctaaca ccatatgatt 120

actctcatga ataatganta ttcctgcaca ttaacacaca ttttnttaat atatnntgtc 180

ttcactactc aggttgtttt acaattctta aatgatacta cctctacctt atgatgttca 240

ngtcagtaca ttaacagtaa atctaaataa tagctatcaa caaataatat atgtgtagta 300

taataatatc acttaatttt aatgacataa tatattataa acatattact tgatatctta 360

aagtcttcta tctatatgga tcgtgaacgt acat 394

<210> 7087
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7087

ctctgatgtt ctatcttagc cttctggcaa agtaaacatg catacacaaa ctcactaacc 60

tctctcttca tgttgngcca ccanaacatc accttcanat cctgatacat cttggtagca 120

ccagaatgta tgcttaagtt attcctatgt ccttcctcta ggatcatctt cctaagctcg 180

ggcacattgt gaacacaaat cctatcttta agtctcaaga ctccatccga tccaacattt 240

gaactacta 249

<210> 7088
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7088

tcttctaacc tctntgacca ggccgctgtt gagagtcaaa gcttcataat aatctntact 60

ntccatcaga agtgctgcaa gccttgcctc aactcgctgc ctcagaaagg tacgctnttc 120

agcacgagtc cattgcatca tttctttgca tagtgtaatt tgtagatcag aagtccctgg 180

tattttgcaa cagtatcaat tatgcccctc actatcnttg cagtttttgc ctttaagaat 240

caaggaaaag ataggcctca actgtgtaag aaagctgtgc aaatcctctg ccctattctg 300

ttccctgaga tgctcagtga ggttngtgat ggcctgctct ttcatgcgca gagcatctgg 360

agaagaagaa agatcatcaa gtacctgant aagaatggag atggactcag acgggtcttt 420

ggcctcactg 430

<210> 7089
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7089

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gctgccaatg tgctaaaatc cttcacanat cgtctataag aactngctaa gccatgaaaa 120

ctcctcacct cggtcacaga cttaggtgta ggccattctt gaatagccct aaccttctcc 180

tcatcaactt gcactccttt tgaactcaca acaaaaccaa gaaacacaac atgtgtagta 240

caaaagatgc cattttcaag aatggcatac aattgttctt ttctaagcac agtcaagaca 300

gatttanatg atcaatatgc aaatcaagtg aagtgctata gataagaata tcatcaaagt 360

acaccacaac anactntcct atgaactctc tcaagatatg gttcattaat ctcat 415

<210> 7090
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7090

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ttgccaggtc tctccacctt tgggcgtatt ctttgaaaga gctgtgcccc ttattgcgca 120

tgttctattg atgcatccta tccggaacca tatcanacat gtactgatag tgcctaatga 180

aggcaaccat tatgtccttt caagaatgga ctcgagaagg ttccacgtaa gtgtaccagg 240

taacagctac cncagtaaga atttcttaga acgaatgtat catgagttcc tcatcttttg 300

cgcatgcccc catctttcgc taatacatct ttagatggat cttgggcaag tagtcacctt 360

gtacttgtc 369

<210> 7091
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7091

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aggaagagag agaggagatg ccacttcaag gagaagatga gtctataaga agctcaccac 120

catatgaggc catggataag agcttggagg aagaaggaga tgaatgaagg gagaggaaga 180

gaagagcaca naattntgta ctctataagc gctatgaaat ctgatgttta attttcanat 240

gatcaaagtt gaaaaaatgc acacacaaga cttctattta tagcctaagt gtcacacana 300

attggaagga nnattgaatn tctatttcaa atttacttg 339

<210> 7092
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7092

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agaatattnt gaaggatgat gaacaagcaa ttgcgtttga ttggaataaa agggtggatg 120

ttgttaatgg tgtagcaaat gctatatgct atatgcatca tgattgctca cctncaatcg 180

ttcatcgtga tatatcaagc aagaatgttc ttttggattc cgaatatgta gctcatgtct 240

c 241

<210> 7093
<211> 248
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7093

tatcatctgc aaaagccaca tgagatagtn gaatacctgc acacgtggga tgaaaattan 60

naatggcatc atccttgagg ctgctcatat ctntggaaaa gtactccaaa caaagcacaa 120

acaaataaag ggagagagga tccccttgtc taagacccca ctgtcctttt gaagtgccat 180

aaatggatcc attgactgcc acactaaagg aagtggaaga aacacattcc atgatccang 240

tacaaaac 248

<210> 7094
<211> 331
<212> DNA
<213> Glycine max

<400> 7094

ttctccttga tatgcatcct gctgattcaa acattttggg attaagtcca ctaatatttt 60

aatgctcaat cagtattttt gcaactatat cgaaaaaact aacatagaaa gtattaaaat 120

ataaatatgt cctcatcatt acataaatta tataagataa aaataacgga aaaataaact 180

aatctcatat tttaaactaa taaaccaaaa gcaaataaac tatatatttt ttaaaatatc 240

aatgaggtat ggaattttat gcgaaaaaaa tattcattat actaaaacaa tggagtaaga 300

aatttaaata tactaactac aagttaatat t 331

<210> 7095
<211> 357
<212> DNA
<213> Glycine max

<400> 7095

agcttcaaga attatggcct catcaaacta cttgtttccc gagggaaatt ctataaatag 60

acctcccatc tttaatggag tgggttacca ctactggaaa acccgcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180

aatagccgga agtccaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240

attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gaatagatga 300

atactttagg gtttcaaatt gtaaaagtgc taaggatatg tgggatacac tacaagt 357

<210> 7096
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7096

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ctagaatgaa attttaacat ctaattgctc caagtgaaga ttctctgtag ctgcaatact 120

cagaataact ctgatggtag ttatctttac aactagagag aagatctcta tgaaatcaat 180

tccttgtttc tgctaaaacc ctttcaccac aagtctcgcc ttgtatcttc ttctatcgtt 240

agattcttcc tttagcctat agacccactt attctgtana gctttctttc cttcttgcaa 300

tttaattaaa gaccacgtat tattcttctg aagggatgtc atctcatctt tcattgctag 360

ctcccactca atagagtcat tcccctgcat agcctcactg aaacattctg 410

<210> 7097
<211> 404
<212> DNA
<213> Glycine max

<400> 7097

gatctgcctc tatatcctca acaatcccat cctccctcca gataatgagt ttctggtgga 60

gaatagatgg cacagcccca actccatgga tccattccct tcctaatagc aagttaaaat 120

tagccttgga ctgtatcacc aggaataaag ttggtcgaac tatactgcct acagcaacat 180

ctacttgaat ggctcccaaa gaatagccag ttttgccctc ataattagag agcacaatgt 240

tgtgggcaga tagatcagtg tcatgtttcc cgatcttgta gagcatagat cgaggcatta 300

agttgacagc cgctcctcca tctatgagca ctttgttgat tccaacattc tcaacttttg 360

ccctgatgaa aagaggttta agatgacttt tcatctgaaa atct 404

<210> 7098
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7098

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catacaagct ctatctttta atcaatcact cactcaattc tcccccttta tttttgagtt 120

taagcttcac ttgaagttaa gttatttaat tatatgagtt cttgatttaa tcccaatttt 180

ctctcccctt ttggcatcaa caaaaagcca aagtgcgtat agagacataa aatcatacac 240

aaactcataa tcatccaagc attttaatcc atacaacaag caaggaggac attaattcat 300

acataaacta agcaaggaag ataataattc atccattaat cataataaaa tgtcagataa 360

ttagaaagtc atccaagata accaaattaa aacaactaat ttagaaagta atatactaat 420

aagtgtatca nataagtcat aagacatcaa aacataaaac aaatcatttg gttaagtcac 480

tagaacagag tcaccttt 498

<210> 7099
<211> 347
<212> DNA
<213> Glycine max

<400> 7099

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gtagaacaat tatgatctct ccagcaacag atacaaccct ggatggaaga atcaccctaa 120

tctcagatgg tctagccctc aaaagcaaca acaacagcct gctccttcct tccaaaatgt 180

tgttggccca agcagaccat acattcctcc accaatccaa caacagcaac agcccctgaa 240

acagccaaca gttgaggctc ctccgcaacc ttccctcgaa gaacttgtga ggcaaatgac 300

catgcagaac atgcagtttc aacaagagac cagagcctcc atttaga 347

<210> 7100
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7100

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tgcaagttga aagccttgga ggaaaaaggt atgcctatgt tgttgtggat gatttctcca 120

gatttacctg ngtcaacttt atcagagaga aatcggacac ctttgaagta ttcaaggagt 180

tgagtctaag acttcaaaga gaaaaagact gtgtcatcaa gagaatcagg agtgaccatg 240

gcagagagtt tgaaaacagc aagtttactg aattctgcac atctgaaggc atcactcatg 300

agttctctgc agccattaca ccacaacaaa atggcatagt tgaaaggaaa aat 353

<210> 7101
<211> 340
<212> DNA
<213> Glycine max

<400> 7101

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acatatagag acgctcaaaa ttgaacaacg gaagctctcg agatattcaa atggtcataa 120

cttttaactc ggaggtccga ttcaggcgca taatatatcg agacgctcgt aattgaacaa 180

cggaagctct cgagaaattc aaatggtcat aacttttcac tcggaggtcc gattcagacg 240

cataatatat ctagacgctc gaaattgagc aacgaaagct ctcgagaaat tcaaatggtc 300

ataacttgtc actcggaggt ccgattcagg tgcataatat 340

<210> 7102
<211> 204
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7102

nttcaccact ttctcaattc catccttgat cctcttgaga ctcttatgag tcctcttcca 60

acttttctag tggttcttcc agtttatggg tggccctgat agaatccaat acccactatg 120

atgtagaact cgatcaactt cattcaaata aatcccctct gccaatcacc atttcaaaac 180

cagaaacaaa attagtcata caca 204

<210> 7103
<211> 335

<212> DNA
<213> Glycine max

<400> 7103

agcttccatg caactccaaa gtattggtgg tgaattgtga aagtataaaa cagtaattat 60

gagaaaaaca tgagaaggtt aggcagtgat tttctacttc aatcaaaaga tcaaaataac 120

tagagaaaga aacagatttg aggattacga accaagaaag aggtgaagac ggcaaagaaa 180

gcaccaaaac caagaatgac agagtaacca acaccctgat taagcactgg tttgccttca 240

aagaaactgg tctgcctcac acacacacct ccattttcag acacatgata gtacttgcta 300

gaaaattcaa atggtggaca ctctactaat gcaga 335

<210> 7104
<211> 317
<212> DNA
<213> Glycine max

<400> 7104

cggcgatgtt ggtcttgcaa ggacttacta gcatggaatt aatcttcaga caacgaatgt 60

tgtgggaaca ctagggtaca tggcccctga gctcacaaag actgggaaag caagaacaag 120

cacagatgta tatgggtacg gcatactcat tctggaggta gcatgtggaa agaagccaat 180

agagccacag aaaaatcccg aggaactggt attggtagac tgggttagag aactacatca 240

ccaagggaaa atcatcaggg ctattgaccc caagatagat gagtatgaca aagatgaagc 300

tcggcttgtg cttagtc 317

<210> 7105
<211> 353
<212> DNA
<213> Glycine max

<400> 7105

agcttaataa gtccatctat ggattgaaac aagcttcccg ccaatggtat ttaaaatttc 60

atgaggtcat ttcttcattc agctttgaag agaatgtcat ggatcactgt atataccaga 120

aggtcagtgg gagtaagatt tgtttccttg tattatacgt agatgatatt ctgcttgcga 180

ctaatgataa gggtatgcta tatgaggtga aacaatttct ctcaaagaac tttgatatga 240

aggatatggg agaggcatct tatgtcatag gcataaagat ccatagagaa agatctcgag 300

gcattttagg cttgtctcaa gaaacctata tcaacaaagt tttagagaga ttt 353

<210> 7106
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7106

tccatcaact atggagtagt taacatcggt tntggaaaaa ccgatgttag tatcttgttg 60

ttaacatcgg ttntggaaaa accgatgtta tcgaattgat gttaacatag gttttaagaa 120

aaccaatgtt acctagttga tgttaacatc ggttattctt aanaaaccga tgttgttatc 180

attatatatt aaaaatatga aattgcacaa cccacgcgct tgaaccctgt cgttcttctt 240

ctttctcctt ctgcctgagt tcgtctttgt tgcaaacagg cctgtgcttc cgtgactgca 300

accacattgt ggagttcgtc tctgtcactt atcgattgag gtacgtcctt tcattttaac 360

attaggcatt cctcgtttta acatctgctc attntcgtan gtcgaagaan acaaggaaag 420

aaaagtgtcc cggaaagggt gggagt 446

<210> 7107
<211> 346
<212> DNA
<213> Glycine max

<400> 7107

agcttgtgga tggtgaccaa tcccagagga cttttgtgta tattaaggat gctattgaag 60

ttgtcttatt gatgattgta ggttcccata tccaatcttt ttatacaact ttatatattt 120

taagttctga ttttctgatt gtagaatttc atctttaaac tattactctt gttggatggt 180

tcaactaaat gtgaacgata atttttaaca ggaaaatccc gccagggcca atggacatat 240

ttttaatgtg ggaaacccaa acaatgaggt tatagttagg cagcttgctg aaatgatgac 300

tcaggttaga ggattaagtt tgattgtttg atcctattag aatttc 346

<210> 7108
<211> 347
<212> DNA
<213> Glycine max

<400> 7108

agcttggatt tccttttagt agggaatcta tccttcctaa gatggagcca aacccagtca 60

ccctcattaa gaactagctc ttttcttcct ctattgcctt tagttgaata tacctttgtt 120

tggttctcta tttggttctt aacccctctca tgcaacttct ttacaaatcc tgacctagat 180

tccccttctt tatgtataaa agaagtgtct agtgggaggg gaatgaggtc taatggtgtt 240

aggggattga acccatagac aacctcaaaa ggggactgct tggtggttct gtgaacccct 300

ctgttgtagg caaattctac atgaggaaga tactcatccc aagactt 347

<210> 7109
<211> 414
<212> DNA
<213> Glycine max

<400> 7109

taaacattca atttcgagcg tctcgttata ttacgggact caatcataca tccgagtaaa 60

aagttattgt cgtttgaatt ggctcgtagg ttcaacattc aatttcaagc gtctcgatat 120

attaccggac tcaatcagac atctgagtaa aaagttatta tcgtttgaat tggctcatag 180

gttcaacatt caacttcgaa cgtctcgata tattacggga ctcaatcaga catccgagta 240

aaaagttatt gtcgtttgaa ttggctcata gggtcaacat tcaatttcga gcgtctcgat 300

atattacggg actcaatcag acatccgagt aaaaagttat tgtcgtttga attggctctg 360

agcttcaaca ttcaatttcg agcgtctcga tatattacgg gactcaatca gaca 414

<210> 7110
<211> 338
<212> DNA
<213> Glycine max

<400> 7110

agctttaagc caattcatac gacaataact ttttactcgg atgtctgatt gagtcccgta 60

atatatcgag acgcacaaag ttgaatgttt aagctttaag ccaattcata cgacaataac 120

tttttactcg gatgtctgat tgagtcccgt aatataacga aacgctcgaa attgaatgtt 180

gaacctttga gccaattcta acgataataa ctttttactc ggatgtccga ttgagtctcg 240

taatatatcg acacgctcga aattgaatgt tgaagctcta agcctattca aacgacaata 300

actttttact cggatgtccg attgagtgac gtaatata 338

<210> 7111
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7111

ctataatant gttatattaa tatacatata tgtgatttct aattattcat attctttcaa 60

cattatagag agtaatatcc caaaaaatgc tatgccttta ggtttatata cgaagaacct 120

tcatattagt tatatttatg tcaaaacata ttcaaggtac atattatgtt gatcaatgtt 180

ttatttntct attaaaattt atactatngt tttactaatt tataaaaatg gaaaataaaa 240

aatatacatt taatatttta aaatacaaaa atactntaat agtagtacct tttatttagt 300

aaatataaaa ttaattgana aattaagagt attctcctaa tnttatgata tactatatgg 360

g 361

<210> 7112
<211> 353
<212> DNA
<213> Glycine max

<400> 7112

agcttatgct acaaacatct acaatagacc tcctcaacct cagcaataaa atcagccaca 60

acaaaacaat tacgacctct gcagcaacag gtataatccc aggtggagga atcgtcccaa 120

ccttagatgg tcgaatcctt cacaatagca gcaacaacct tattttcaga atgctgctgg 180

cccaagcaga tcatatgttc ctccaccaat ccaacaacaa cagcaacagc cccagaaact 240

gaaaacagtt gaggctcctc cgcaagcttc ccttgaagaa cttgtgagac aaatgactat 300

gcaaaacatg cagtttcaac aagagaccag agcctccatt catagcttaa cta 353

<210> 7113
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7113

ggcattgaag cattcaacct cagccttgtt gaatgtctgt cttccccttc ctctgcctct 60

aaaagaccct atacttctcc ctcttccttt acctcttcca cttttctcat cagccaccat 120

ctgcatgacc tgctcctctt ctgctggaaa catcattctc tgctcgtgaa ccaatagact 180

actttgcagt tcgtctgttg tcatagtatc cctgttgttg gattcttcaa tggagcacac 240

catgtagtta aacttcgtct tcatagatcg cataattttt gcagttatga cactctcttg 300

catattttct ccatatgctt tcatactttt ggcaattntc aacgtccgag caaagtatga 360

atccactgac tcttcctcct tcatttgcag catctcaaag t 401

<210> 7114
<211> 340
<212> DNA
<213> Glycine max

<400> 7114

agcttttcag gtaagcttgc cccacccgtt tccactgagc attctacatt tgtttaatct 60

taaggtacca agattttcta gaaatccaat ggattttggc aattccctga tatttccatt 120

gaccatgttc agtgtagtaa gaaatgctag gtatccagta gattctagta aatattcaag 180

atttatgcaa ttcatcatct caattttcct caataatttc gtctctccaa tctcatttgg 240

caaatttgtg atggttgttc catctaactg aattcaatgt tttaattgaa ttttccaatt 300

tgctgatcca actgataact ccctcatgta atataaagaa 340

<210> 7115
<211> 343
<212> DNA
<213> Glycine max

<400> 7115

agcttgcata ataagaaatc ctgagacaat ctcaaaccct gatggatcag tttcagatcc 60

atggagccaa tgcacagtgg aacaggttga gtcactgaaa tctatgctca gaatccttcc 120

tatgtggtcc actggcatct ttatgattac tgcctcccaa acctcattct ctatcatcca 180

agctaataca atggaccgaa ggttatttgg caatttcgag atgcctgcag gatcctttag 240

tcttatcagt gtaatcaccc taacaataat cattcccaca tatgagcgcg taatggtacc 300

tctactagca aaatacacag gcttgcctag aggattcagt tgc 343

<210> 7116
<211> 343
<212> DNA
<213> Glycine max

<400> 7116

agcttttatt tgccatgtat ttataaacat ggattctctc ttgaccttta ctgcaacatc 60

caagaagtcg aaccagattc ttgtgatgaa cattacttat aagcttgact tcactttcaa 120

attgttcatc catcttcccg gattggccta agattaattt tttgactgca actaatttcc 180

catttttcaa agtggcctgg tccaacaaat ggggcttaag aatataccaa ttttaaaaag 240

tggtttatct ttgtctcaag aagaatagct caattaaatt tggcccgggc ttaccttaac 300

ctggttcaaa ttatggttgg tttttaacct ggacttccat taa 343

<210> 7117
<211> 346
<212> DNA
<213> Glycine max

<400> 7117

agcttttacc tctcatttta acccttagaa ctttttggtc agcaatgtca tagataaggc 60

agtgttgata tgcaaaggac aatttaaatc ccttttcaag caactgacct acacttagca 120

agttttggtc aatttcaggt acataaagaa catctgagat aagttttgca cctgaaattg 180

ttgcaatcaa tatagttcct tttccttttg cttgaatata atcaccattc ccaatcttga 240

tatttaagac atcaataggc ttcaaatcct tgaaagcaga cttgtcatat gtcatgcgat 300

ttgtacaacc gctatcaatc aaccaacact ctgaactact cctcat 346

<210> 7118
<211> 335
<212> DNA
<213> Glycine max

<400> 7118

agcttcaacc aaggggagat ggaccatttc aagtgcttga aagaatcaat gacaatgctt 60

acaaagttga gctgcccggt gagtataatg ttagttccac cttcaatgtc tcagacttat 120

ctctttttga tgcagatgga gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180

atgatgagga catgaccaag aacaagggca aggatccact tgaaggactt ggaggaccta 240

tgacaagggc tagaacaagg aaagccaagg aagctcttca acaagtgttg tccatactat 300

ttgaatacaa acccaagttt caaggagaaa agtcc 335

<210> 7119
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7119

tgtccataan anatagggtt ttgaagtttg tcatttcaat ttctcactaa gtaaaatgga 60

tcatttttaa ggtccaacac cttaaaatga tcaccactta agtaaaaaag aatcatttga 120

taagcaagaa ctacgtaggt ctgatttcct catcgcaatt gaggatacgt aggagcaaaa 180

gccccgcttt tgtcgaccac cccaagagat cgttaatggt ccaatgcctt aacgtttctc 240

tcctttcaaa aacaagagat cgttaatggt ccaatgcctt aacgtttctc tcctttcaaa 300

aacaagagat cgttaatggt ccaatgcctt aacgtttctc tcctttcana aacaagagat 360

ctttaat 367

<210> 7120
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7120

agcttggagg aagtaaggaa atgaattaag ggggaggaag agaanagcac gaaattttgt 60

gctctaaaag agctctgaaa tctaaagttt aattttcaaa tgatcaaagt tgaaaaaatg 120

cacacacatg acctctattt atagcctaag tgtcacacaa aatttcacat gaatttgaaa 180

ttgaatttgt ggagccaaaa tttggagcca aaatttcact aattatgatt agtgaatttc 240

agttatggtt cataccacta atccaagatc aattccaaga ttctccacta agtgtgctta 300

ggtgtcatga gacatgtaaa gcatgaagga catg 334

<210> 7121
<211> 367
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 7121

ggagtnttcc gactatgctc ttgtgtggtg gaacaagcta caaaaggaga gagcaagaaa 60

tgaagagcca atggttgata catgggtgga gatgaaaagg atcatgacaa agcggtatgt 120

gccggctagt tactcaaggg atttgaaatt caagcgccaa aaactaaccc aaggcaacaa 180

gggggttgag gagtatttca aggaaatggt gtgctcatga ttcaagcaaa gattgaagaa 240

gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat ccgtgatatt 300

gttgagctgc acgagtttgt tgaaatggat gatttgcttc acaaagcaat ccaagtagag 360

caacaat 367

<210> 7122
<211> 307
<212> DNA
<213> Glycine max

<400> 7122

tcaacctaga ggagacggac cattccaagt gttggagaag atcaacgaca atgcctacaa 60

gaatgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg agctatctct 120

ttttgatgca gatggagggg ccttggattt aggacaaatc cttttcaaga agaagggagt 180

gatgaggaca taaccaaggg caaggaccat gaagcacttg aagggcccag accagatgca 240

gacttaaaca agcccaacac gtcatagaga caaggctggt catttgtata gctgccattg 300

atgatga 307

<210> 7123
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7123

tcttatacta atgtcacgag gaatgtggta gttagattca taaataatga gtngatttgt 60

cgatacggac tccccaggaa gatcattact gacaatggca ccaatctgaa caataagatg 120

atgcatgaga tgtgcgaagg cttcaagatc cagcatcaca actctacccc ttatcggcca 180

aagatgaatg gngctgtaga ggctgtgaat aagaatatta agaagattgt tcaaaaaatg 240

acagtgtcat acaaagattg gcatgagatg ttgcctttcg ccctgcacgg atatagaacc 300

tcggtacgaa cttctactgg ggcaacaccg tattccttag tttatgggat gg 352

<210> 7124
<211> 334
<212> DNA
<213> Glycine max

<400> 7124

agctttgatt tcctttgttc cggaaacctt tcttttctca tgtgcaccca aacccaatct 60

ccgggttcga agacaacctt ctttctccct ttgttggctt gtttagcata gcttttattt 120

ttcctcttaa tttgatcttt gactctctca tgaagcttct tcacatagtc cgcctttgct 180

tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaggagtt 240

agtgggttaa aaccataaac agcttcaaaa ggagaacaat tagtggtgct atgaacagct 300

ctattgtaag caaattcaac atggggtaaa caag 334

<210> 7125
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7125

ngaccacgat cagttggagg ctcatgtcag acgccccag ggtgacgagc actctgctca 60

tacattactc tgagtgcacc tgatcagtag ttctgttggc ccggtcaata gaactttcag 120

agttcaatat cagtataaac ccctagcccc ataaagacac aattcatgga agacattctg 180

gtagaatttg ttgggaatga ccaaaccacc acagactggt ggaaccttta tgttgacggc 240

gcgtccaaca tgaagggaag tagggtatga atcatcctcg aaggacttga taatgtaacc 300

ctagagcagg ccatcaagct caacttcaaa gcctcaaaca atcaggctaa gtacgagggg 360

ctcattgcaa gtctaaaact agcaagagaa gtcggngcca agaagctatg atgctacata 420

gactcgta 428

<210> 7126
<211> 320

<212> DNA
<213> Glycine max

<400> 7126

agcttccaag attcataatc tctagcagaa attaagtgat ttggagaatc aagcttctca 60

tagacttcta tctgatagtg aagttataac caagagagct ttgcaacaag agctgtggga 120

tatttcaaat gcttatgaat ccttgttgag gcaaaaatct agggctaagt ggatcaagga 180

gggtgacaga aatacagctt acttccacag ggtgataaat ttcagaagaa gctcaaatgc 240

agttcatggt attctcattg atggtacttg ggtccagcag cctgaccttg ttaagaatgc 300

agtggttaat ttctttcttg 320

<210> 7127
<211> 345
<212> DNA
<213> Glycine max

<400> 7127

agcttggagc catgcattgt gattgcttag tgcaattcgc catcctcaac ccttttttcgg 60

agccccatga atggcgtttt cgttcatgcg tccttcaccc acgagtttgg agccatgcat 120

agtgattgct tagtgcaatt ctccatcctc aacccttttt tggagcccca tgaattgcat 180

tttcgttcat gcgtcctcca cccaggagct tggagccatg cgtagtgatt gcttagtgca 240

attctccatc ctcaaccctt tttcggagcc ccatgaatgg cgttttcgtt catgcgtcct 300

tcacccacga gtttggagcc gtttgtagtg attgcttagt gcaat 345

<210> 7128
<211> 344
<212> DNA
<213> Glycine max

<400> 7128

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60

tttacccgat gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120

gctgggggca agtaaatttt cttcccatta gaccttggat gcaattgtga tcgtataccc 180

atatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgcctta aatgttaagg 240

agcgtcccaa tcacactatc acaaacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgtcaa gatcagacca gtacgaaaga tcaaagaaaa tgga 344

<210> 7129
<211> 268
<212> DNA
<213> Glycine max

<400> 7129

cgtcaaacct gaagatttct tcctacatgt ggaacccggg aacactgaca acccaaataa 60

tgcacaactt actcctgtgt ctgttgatca acttccaggg cttaacacgc ttggcatatc 120

tttggctcgc atagattctg caccaaaggg tataaaccct tcccacactc acccttgagc 180

ctcggaaatc cttatagtcc ttgacggtac tctctatgtt ggatttgtca ctcccaatca 240

agacggaaat cgtctcttta ccaaagtg 268

<210> 7130
<211> 291
<212> DNA
<213> Glycine max

<400> 7130

agcttcatga gagagtcaaa ttttaaattg ttaggaaaaa tattagctat gctaaacaag 60

ccaacaaagg gagaaagaag gttgtcttcg aacccagaga ttgggtttgg gtgcacatga 120

gaaaagaaag gtttccagaa caaaggaaat caaagcttca accaagggga gatggaccat 180

ttcaagtgct tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240

atgttagttc caccttcaat gtctctgatt tatctctttt ttgatgcaga t 291

<210> 7131
<211> 348
<212> DNA
<213> Glycine max

<400> 7131

agctttgata ttggtaagta tttgcctcaa attttctatt atatttcctg tttctgaagt 60

acgttttttc tcactaacat ctctttttat aacattaatc tctttaatcc tctcatttgt 120

actaattact ttatcttaca tttttcttcc ttttctatta aaaaagttgc ccgattttga 180

tatataaatg caatttctct tttcatttta ccaaacttta tataaagata ttttatttga 240

ttcaccagga catatttgct gctggaactg atacttcagc atcaacacta gagtgggcta 300

tggcagaaat gatgagaaat ccaagagtga gggagaaagc acaagctg 348

<210> 7132
<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7132

gagctgcatg catgcaagct ngagctttta taggattttg gacttaccat caacatcaag 60

accaaccatc aaaattcgca tttccttctt cgcgaaaagt cggctgaaaa gctttgtgaa 120

tgtcagcccc atttctcctt caactagtgg atccctaatt tcacaattca aacaactttt 180

caattaaaaa aaatctccaa aacgaaatag agcttcttat aaaattactt gtgcaaatga 240

ggcttg 246

<210> 7133
<211> 323
<212> DNA
<213> Glycine max

<400> 7133

agcttcaaga attatggcct ctacaaacta ctttttccc gagggaaatt ctataaatag 60

acctcccatc tttaatggag tgggttacca ctactggaaa acccgcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180

aatagccgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240

attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttat gaatagatga 300

atactttaag ggtttcaaat tgt 323

<210> 7134
<211> 202
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7134

agctnaaaat ttagtctagt ttttgnnaaa acataagcac ttagacaatg aaggaaagct 60

ggagttgctg cacatgatgt ccaacgttat gtcaaagaat aagatcgggc tgcacaatgc 120

acaaggcaag atgaaatgtc aaatgaagaa ttgaagctgt acgattcacg atgttcgata 180

caatgtccag gacattcctc tt 202

<210> 7135
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7135

agctttatgt ctctttgnat atccctttt acttttggga tctttccaat atcttctagc 60

atcaagtcaa gacaatgtgc agcacatgga gtccaaaata tttttggtct cgtgacttgt 120

aaaattttac ctaaaaagat caaaatcaat aaacttgtat gagtagtgta acaattaaaa 180

gttataacta taaaaaaaaa acttcattaa gcatgattga attctcatcc gccaacacat 240

aattacttcc attgtccgtc accacttgaa taacattctt ttctccaatc tcctcaacaa 300

agctatccat aagctcagag atctttcgac cagtcttcat gtgttcaaaa gca 353

<210> 7136
<211> 355
<212> DNA
<213> Glycine max

<400> 7136

agcttgccaa cccatggaag ttcctactat ctcccacact ttttgggatg ggccattctt 60

ggatggcctt gattatctca aggaccactt ggaccccatt tatgccaact acaaacccta 120

caaaaactat attatctaca caaaaagtac acttctctat atttgcatag atggtgttgt 180

tcctaaagac tgaaagaact tgcctgagat gttctaagag ataatctatg ctcctactgt 240

acactaaaat atcatcaaaa taaacaacta caaatctact ctcgtaactc cgtaatacat 300

tatgcataca cctcataaag gtgcttgggc attagtgaac ccaaaatgca tcact 355

<210> 7137
<211> 367
<212> DNA
<213> Glycine max

<400> 7137

agcttgccaa cccatggaag tttctaatat ctcccacact ttttgggatg ggccattctt 60

ggatggcctt gattttctca gggtccactt ggaccccatt tctgccaact acaaacccta 120

agaaaactat attatctaca caaaaagtac acttctctat atttgcatag agggtgtttt 180

tcctaaggac tgaaagaact tgcctgagat gtcctaagtg ataatctagg ctcctactgt 240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300

tatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc 360

attcata 367

<210> 7138
<211> 358
<212> DNA
<213> Glycine max

<400> 7138

agctttttct ctgtacacct tctttcctat acttgaaaaa ctttttctgt atacacacac 60

attaaaaact ctttctcttt atatcaacat ggtctatata aaacctctat tccttttcaa 120

agatttcttc ttcctttttc aacatacact cattgtttat acaaaaattt tctttatata 180

cactcattgc tcacacacaa gaatttcttt tcacacatta tttatacaca caaaatcttt 240

tcatacactt tttatataca aaaactcttt tcttttcttc atatacagat atgacatttt 300

gttcacaacg cctctttttt ttctaatctt ggaatatcaa gaggttgtca ttttattt 358

<210> 7139
<211> 285
<212> DNA
<213> Glycine max

<400> 7139

agcttttgat tacaggttat ctctggcatc gcacttcctg ttggatccga caaactttat 60

tctggcagca ctgatgggac agttaggata tgggactgcc atactggtca atgtgctaaa 120

gtcatcaatc ttggtgctga ggctacctct ttgatcagtg aggggtcatg gatttttgtt 180

ggtctgcaaa atgctgtcaa ggtaagctct tatctgtcat tgctttgttt tgatgtatga 240

taatgtctaa tcataggagt agtacatgca aactgattat gtggc 285

<210> 7140
<211> 389
<212> DNA
<213> Glycine max

<400> 7140

ctatctctga tctcgttatg ctactcatgg agtactgcaa acgctgatta tattatatat 60

taaatattaa ggatgttctt aatatttgaa atcagtatat catatagtta tttatcatat 120

gcaatagggt caaattagat agtctatgaa tagtgttaat aacaacttac agtactgctg 180

acttaatata tattttaata atttatatca tgcttacctt attgttatct aatgcattct 240

catgtatgtc atatagcata tctcatgcga ataaaggtat atgacttttg acattctaag 300

actggaggta gatatccatg attaattaca tttttattta cttcattata ttcaaaataa 360

atagatacat ttaggccatt tttaattta 389

<210> 7141
<211> 369
<212> DNA
<213> Glycine max

<400> 7141

agcttagata tagagatcaa atgttactga atttctggca tatatagaac attctttaag 60

aatagaaatt gagaaaatta cgttgtgcct gcatgagttg tagtgactgt atggccagtg 120

ggaagcttaa caactatggg atttatcttc ttacaagaag aaaataagtg aagaaaagtt 180

gtgacatgac cagtggctcc tgaatcgagt atccattcat ctggacgtgc cttgcttaca 240

ctacaagtga tggataagac attacctctg tgtgcactgc tggaactagt gattgtacta 300

atttaaatca catgtgaatt gttgggactt gagctctagt gctgtagctg ggcccttaaa 360

gccttatat 369

<210> 7142
<211> 369
<212> DNA
<213> Glycine max

<400> 7142

agcttagata tagagatcaa attgaactga aagctaggta tatatagaac atcctttaag 60

aatagaaatt gagaaaatta cgttgtgcct gcatgagttg tagtgactgt atggccagtg 120

ggaagcttaa caactatggg atttatcttc ttacaagaag aaaataagtg aagaaaagtt 180

gtgacatgac cagtggctcc tgaatcgagt atccattcat ctggacgtgc cttgcttaca 240

ctacaagtga tggataagac attacctctg tgtgcactgc tggaactagt gattgtacta 300

atttaaatca catgtgaatt gttgtgactt gagctctgtt gctgtagctg ggcccttaaa 360

gccttatat 369

<210> 7143
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7143

agcttctata gaaggttngt ttctgatttc tctacaatng catcacctct caatgagctg 60

gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240

atttcttatt ttagtgaaaa acttcatagt gccaccctca actaccccac ctatgataaa 300

gagctttatg ccttaata 318

<210> 7144
<211> 205
<212> DNA
<213> Glycine max

<400> 7144

agcttgatat gttttgtgca tgtgctgcta ttgttggagg cactagaatt tggttgccag 60

acctcagggt gatggcactc acatttttca gattttgcac agtttgtgaa ggcaatatgt 120

cagaattttg ggactgagct tggttgaact gagtagccat ctgccccatc tgattggtca 180

gactctaaat ggaggctctt gtctc 205

<210> 7145
<211> 354
<212> DNA
<213> Glycine max

<400> 7145

agcttctatt cttatacatg tatgaagctc tgataccact tgacagacca gtggccttac 60

acatcccaag aacggggtag aattaagaga tagcgaacta ttcccccacc tgaattctat 120

atcactcatc tatgcacctc acacattacc ttaacaatga acctttacat actgaatcag 180

atacaacaat gctgatctaa agatgacgca ataagtaata caagagtgca gaggaaacaa 240

cagtgcacac tcggatttat actggatcgg ccacaccctt gtgcctacgt ccaggcccca 300

agcagcccgc ttgagagttc cactatcttg gaaaatcctt ttacaagttc taaa 354

<210> 7146
<211> 358
<212> DNA
<213> Glycine max

<400> 7146

agctttgagc aatcaaattc attactttta actcggaggt ccgattcatg cgcataatat 60

atcgagacgc tcgatattga acattggaag cttttgagca attcaaatgg tcataacttt 120

tcactcggag gtccgattca ggcgcataat atatcgagac gcttgaaatt gaacaacgga 180

agctctcgtg aaattcaaat ggtcataact ttcaactcgg aggtccgatt caggcgcata 240

atatatcgag atgcacgaaa ttgaacaacg gaagttctcg agaaattcaa atgatcataa 300

cttttctcac gtaggttaga tttaagcgca taatatatcg agacgcttga aattgaac 358

<210> 7147
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7147

agcttgaagg taaactagat gtcttggtta atttgttaac ccaactggcc atgaatcaga 60

aatctgcacc tgtcgccaga ctctgtggtt tatgctcctc tgccgaccac cacacagacc 120

tttgcccttc tgtgcaacaa tctgaaacaa ttgaacagct tgaagcttat gctgcaaaca 180

tctacaacag acctcctcaa cctcagcagc aaaatcagcc acaacaaaat aactatgacc 240

tttcctgcaa caggtacaat cctggatgga ggaatcatcc caaccttaga tggtcgaatc 300

cttcacaaca tcaacaacaa ccttantttc aaaatgttgc tggcccaagc agaccatacg 360

<210> 7148
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7148

ttagcttcaa ctttcaatnn tgatcgtctc gatatatgac gagactacat catacatccg 60

agtaaaaagt tatagtcgtt tgaatttgct cacagcttca acattcaatt tcgagcatct 120

cgctatatta cgggactcaa tcagacatcc gagtaaaaag tttgttgttt gaattggctg 180

agagcctcaa cattcaattt cgagcgtcgc gatatattaa gggactcaat caaacatccc 240

gagaaaaagt ta 252

<210> 7149
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7149

agcttgtgga tggtggncaa tttcctacga cttttgtgca tattaaggat gctattgaag 60

ccgtcttatt gctgattgaa ggctcccata tgaaacttta tatattttaa gtactgatct 120

gattgtaaaa gttcatcttt tgactattac tcttgtatca tggttcaact aaatgtgaac 180

gataattttt aacaggaaaa tcctgccagg gccaatggac atatttttaa tgttggaaac 240

ccaaacaatg aggttacagt taggcatctt gctgaaatga tgacac 286

<210> 7150
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7150

agctttnttt tttcaagtct tgtttattta gtaaaaaatc tctagaattt ttttggtttt 60

tttttacgta tggggtccta acttaaacca atcaataaat ggtgattcat attatgtcat 120

ctctgtggat aattattcta aatatgtatg gctatttcct atcaaattca aacctaacgt 180

tactaccatt gtcctaattt ttaaaacatt atttgaaaag aaattcacat gttggatcag 240

aaccctctat agcgacaatg gaggtgaaat tattaaatgc tgaacctctt tccaatcact 300

aggctgtttg acctaaccac cattcctata cacct 335

<210> 7151
<211> 144
<212> DNA
<213> Glycine max

<400> 7151

tgcttgaaat tgaacaacgg aagctctcga gaaattcaaa tggtcttaac ttttcactcg 60

gatgtccgag tcaggctatg tcgagacgct caaaattcga caatggaagc tctcgataag 120

tgatatggtc ttggcttatc actt 144

<210> 7152
<211> 168
<212> DNA
<213> Glycine max

<400> 7152

ttcttctttg cacttttcca ttttgaattt cttaattagt tttgtacatt actttgtttg 60

acataggaag ttgccatgtt tcatttgctt gacttgaagt ccaaggaaga aggacaattc 120

tcccatcata gacatctcaa attctttttg cataaagttg gaaaattc 168

<210> 7153
<211> 182
<212> DNA
<213> Glycine max

<400> 7153

agcttgtgcc tctttatgtc tgggatatga atgtagcata tagatccaaa gacccttagg 60

tgctttgctg atggcttctt cccattccaa gcttcaattg gagtcttgtc ttttacagac 120

ttagttggac atctgttgag tatgtaaaca acagcgtaga ctgcttcagc ccagaatgtg 180

tt 182

<210> 7154
<211> 175

<212> DNA
<213> Glycine max

<400> 7154

ttcttttgcc caattcgctt ttgatctcga taaagctgct caaaatcaat tagcaagagg 60

tcaatgattg cgcgagttgc ttaaacaatc ccaatcagct cctcttaccg tggaagaaca 120

gataataagg atttatactg gaataaatgg ttatcttgat tcattagaaa ttgga 175

<210> 7155
<211> 173
<212> DNA
<213> Glycine max

<400> 7155

tgtcttccca atatcagcat ttccatgcac attacatcca gcaaggagcg ctccccaaac 60

agtcaatggc acctcttccc caagcccctc aatgatattg gaagcttctt tcagccttcc 120

tgcacgacca caaagatcaa ccaaacatgc atagtgatct tctctgagtt gta 173

<210> 7156
<211> 175
<212> DNA
<213> Glycine max

<400> 7156

agcttccatt gttcaatttt gagcgtatcg atatattatg cgcctgaatc ggacctccat 60

gctaaaagtt atgaccattt gaatttcccg agagcttccg ttgttcaatt tcgagcgtgt 120

ctatatatta tgcacctgaa tctgacgtcc gacttaaaag ttatgaccat ttgaa 175

<210> 7157
<211> 170
<212> DNA
<213> Glycine max

<400> 7157

ttctttgtgc aacttaagca tggaaagaag atagtctaca ctaggcatca aatatttctc 60

aaagaatatc acccatatcg attgtaaaaa gcttttaatg gaagtccaaa gtctggattt 120

tccctgatac ccttatcgag aaatgaactt tatgagcagg tgaaggacat 170

<210> 7158
<211> 175
<212> DNA
<213> Glycine max

<400> 7158

ttctttcatt aagttatgac catttgaatt tctcgagatc ttccgtggct caattccggg 60

cgtctccata tgtcatgtgc ctgaatcgga cctgcgtatg aaaatgttat gaccatttga 120

acttctctag agcttccgtt gggtcatttc aagcgttctt gtatctgatg tgcct 175

<210> 7159
<211> 176
<212> DNA
<213> Glycine max

<400> 7159

ttcttgaatc ttccttggtc gggtacatga gcatatgcaa tgctcccaaa tactctcaag 60

tgatcaactc ttggcttcac tccactccat gcttcttgtg gtgtttgatc tttgacattc 120

tttgttgggg agcgattgga caaataaacg gcacatgcaa cagcttcggc ccaaaa 176

<210> 7160
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7160

ctcagcttta cccctccaat gttgaaatac taaacatcag aagtgtaaat cttaaagtta 60

aaaagctatc cacgaagcag gctggcataa ccaatcagat tgattaatct attcttccac 120

aatcatgcaa aaatataatt tggtgtttca tcatataacc acgagttgct gctttgaaat 180

gctcattttg taaatcttga tctgtatagg ctgagagcaa catatcccac cgtcacaatt 240

ctgccatcaa agaatcgtcc gtgcaaacta tgtgctgccg aacaacatgc ttcagctctt 300

ccatactcaa caagaacaga acctggttta aatacatgac cataaatatc ctcttccgtg 360

tcaatgctct tttggggact aaccaattct gcactgatat cccattcaga aaagccttnc 420

tgaaatgcac aaactgtgtc tttagattca tat 453

<210> 7161

<211> 266
<212> DNA
<213> Glycine max

<400> 7161

cctttagtac ggaatctatc cttcctaaga tggtgcctta cccagtcacc ctcgttaaga 60

actagctctt ttcttcctct attgccttta gttgaataca cctttgtttg gttctctatt 120

tggttcttaa ccctctcatg caacttcttt acaaactctg acctagattc cccttcttta 180

tgtataaaag aagtgtctag tgggaaggga atgaggtcta acggtgttag gggattgaac 240

ccatagacaa cctcaaaagg ggagtg 266

<210> 7162
<211> 205
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7162

aacaacggaa gctctcgaaa aatcagtttc atatattntc acacagaggt ccgattcggt 60

gtaataatat atctgagact cacnaaatcg aacaaccgaa gctctcgaga aatttgaatg 120

gacataacat ctcactctga tgttcgagcc cgggacataa tataacgaga ctctctaaat 180

tgaacaaccg aatctctcta caaat 205

<210> 7163
<211> 341
<212> DNA
<213> Glycine max

<400> 7163

tgaatcggac atccgtgtga aaagatatga ccattttata tttctcaaga gcttccgttg 60

atcaatttcg atcctctcga catattatgc acccgaatcg gacatctgtg tgaaaagtca 120

tgaccatttg aatttctcga gagtttccga tgtttaatct cgagcgcatc gatatattat 180

aaccctgaat cggacctcag tctgaaaagt tatgaccatt tgatattgac gagagcttcc 240

gtcgtcaatt tcgaatatca ctgtatgtga tgcgcctaaa ttggcattcg agttaattgt 300

ttgaccactt gattttccaa aagcttctgt ctgtcaattc t 341

<210> 7164
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7164

tgcttaatct atctagatag aagggaatga tgagtggtta tgcatggaag ttaggaaaac 60

gattcaaaga tttttactat gaagtatata tggatataat tgcaggaatc aattgattta 120

ttaagaaaga aagtaaatta ttaaaggtga tgaaaaatga actgagtgaa atacctaaaa 180

aacaaacgtg atttattaag aaagaaagta aattattaaa ggtgataaaa tttaatatat 240

aggaataggg tttaatatac gattcagaaa acttgtcaaa gttacaaaca gttagcaatt 300

tatttatttt ttgatagtca catctagaaa attaatctct atgctttnta tgtaagtttt 360

taattttaag ttgctgaaac tgtgaagtga gcaaattaag ctctgtcggg ttttaattaa 420

ttaattatta gtccattcac tgtttt 446

<210> 7165
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7165

tgcaccaggg aacaatttca ctttaatagt ngattccaat tggcttccta gttttcagct 60

tacctatttg gatgtgggat catggcagtt aggtcccagc tttccatcgt ggattcagtc 120

acaaaaaaaa cttaaatatt taggcatgtc taacacaggg attattgatt ctattcctac 180

acagatgtgg gaagcacaat ctcaggtttt gtatttaaac cactctcata atcatatcca 240

tggtgagctt gtgactacat taaaaaatcc aatatctatc ccaactgttg atctaagcac 300

aaatcactta tgtggtagaa taccctatct ttcaaatgat gtgtatgggt tagacctttc 360

aaccaattca ttctctgtat ccatgcaaga atttttatgt aacaatcagg acaagccaat 420

gcaattagaa attctcacat ct 442

<210> 7166
<211> 307
<212> DNA
<213> Glycine max

<400> 7166

tctatccttc ctaagatgga gccaaaccca gtcaccctca ttaagaacta gctcttttct 60

tcctctattg cctttagttg aatacacctt tgttaggatc tctatttgga tcttaaccct 120

ttcatgcatc ttctttacaa attctgacct agattccctt tctttatgta taaaagaagt 180

gtccactggg aggggaatga ggtctaaccg tgttagggga ttgaacccat atacaacctc 240

aaaaggggac tgcttggtgg ttctatgaac cctcctgttg taggaaaatt ctacatgagg 300

aagatac 307

<210> 7167
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7167

gtatgaaaat gcatcgacac tgttaactgg ttagcaagtt cttgagcggg ttgaggacat 60

caatacgatg tttggaaaaa cctcaaataa tgaaaaaagt aaaacttgca tatggaagaa 120

gaggtcaata ttgttttatc ttccatattg gtccgatcta gatgtcatac attgtattga 180

tgtcatgaat gtggagaaaa caatgtgtga tagtgtcatc aacatgcttc ttaacaatca 240

aggtaagaca aaagatggtt cgaatactcg tcaagatcta gttgagatgg gtatatgaca 300

ctaattacat cctaagtccg atgttaagaa aatacacttg cctccagctt gtcatacttt 360

tgtccaaaag gagaagataa gtttctgtca gtatctgcac cgcgtcatag tgtcatangg 420

atactcttca ata 433

<210> 7168
<211> 328
<212> DNA
<213> Glycine max

<400> 7168

cttctctgac ttagcatcac attttcctaa gttatctttt ccattattca ataccaaaca 60

tttacaacca aagatatgaa aatgtgagat gtttggttat ctgccattga acaattcata 120

tggagttttc tttaagatgg gtcttattaa agccctattt aaaatgtagc atgcagtgtt 180

aacaggttca gcccaaaaat atgttggaag acgtgtatca tttaataaag tgctagcaat 240

ctcttccaaa gatctattct tgctttcaac aacaccattt tgttgaggag ctcttggcgc 300

agaataatta tgctcaatcc catgctta 328

<210> 7169
<211> 401
<212> DNA
<213> Glycine max

<400> 7169

taagctcctt cactacgcaa gactcttaat atttgaagag tatccttgtg gaaccttcac 60

ccaatgaaga cactgacaac aacttatctt ctccttttg gataatgtat gacaagttgg 120

gggcaagtaa attttcttcc catcagtcct tggatgcaac tgtgatcgta tccccatctc 180

agctagatct tgacgggtat tcaagccatc cttcgtcttg acttgaatgt taaggagcat 240

tccaatcaca ctgtcacata catttttctc cacatgcata acatcaatac aatgtctaac 300

gtctagatta caccagtatg gaagataaaa gaaaatggac ctcttctttc gtatgcaagt 360

cttactttta tccttctttt gggtatttcc aagtacatta t 401

<210> 7170
<211> 362
<212> DNA
<213> Glycine max

<400> 7170

tgctagtgat acactctatt cagagtttga atatgtatta caaggaatgg attttgagag 60

aggttggggt gatatagctg agcgggtatt ggaaatgatg catatgctcc tagtccctaa 120

atattcttca cgctcctgat cataatacac tacagacttt tcttgggaga gagccaatgg 180

tattcaatgt tgatatatta tctcctcatg gctactttgg acaagccaat gtcttgggtt 240

tgcctgacat tggtgggcaa gttgtttata tactacgtca agtgcgtgcc cttgaaaatg 300

agatgctcct tcacatcaag atacaaggac ttgatctcac tcctaaaatt ctaattggta 360

cc 362

<210> 7171
<211> 446
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 7171

tctggtggga catcttgact tgctttccaa tctgacattc accacagatt ctgccttctt 60

ctattttcag attgggaatg cctctaacag caccttggtc aatgattttc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcatcttct ttggaggata 180

gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300

agtttacatt gaatccttca tcacacaact gactgatgct gatcagggtt gcagtcagtc 360

ccttcaccag cagtactttg ttcagactan gaagtccatc atggactagc tntcccattc 420

caatgatctt tcctttagag ccatct 446

<210> 7172
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7172

gtaactntta ttaagatntc atataataat aaaataaaat aactgagaaa tatgcaaata 60

atagaatcca aaaatcaaca tttgaatatt taacacaatt gagctaatga gtttttatag 120

caatagtttg tatatcttag accaaaccaa gaaactttaa atccttacta cctaaaatag 180

taattacaaa acataccaaa ataagggcaa aagtatattt tggatgaact ataagattga 240

gatgtcatac acaaattcta agagcaaaga agaaacatgt gtaaaaaaaa gattcctata 300

ttaatattat taatatataa tgtacaaata ataaataata ttataattta attggttttt 360

ttcttattat caatcaatnt gtttaaattt aatgtatnta tctaaattac ttctggttaa 420

aacaca 426

<210> 7173
<211> 446
<212> DNA
<213> Glycine max

<400> 7173

ctgataaaat ccaatgaaca caaatcacta tgtgcttaat gcaaaaattg taagggaaag 60

aataaacaaa aataaatatt aacggaacag aaacaagtaa atattggtac ccaagtcaca 120

aggctttgct gtcctcgtgg cagtgtatga tccactggtt tacgccccgt taagagttcc 180

agcagtataa ctccaaagct ataaacatca ctttctgaag tgagttgtcc agtcattgca 240

tatctgtcat aaaaaaatca agcccaataa attataaaaa aaccacaact tgtgtaaaga 300

gagttaataa ttggccctaa agtggattga agttcagtac atcactgtcc aaagatattt 360

ctaatttaca attaatcagt ttcatgttta ctcaattgtg attttcatat tctcttattc 420

caagtttttc atctttcaac ttaagc 446

<210> 7174
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7174

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cttgcatctg ggaagaccgt ctatcaacat cactcataca tgcaaatttt gcatatgaat 120

caacaatagc agactccaca aagacatctg ttgcaccaca ttagattgcc cacccatgaa 180

ctcctctccc aatatgcaaa tctttaagca cacaacatgc tcgcagattg ctcggaaacg 240

catagctatc cggcattaga gatgcatggt acattccacg aaacagattc taagcaaccc 300

agcgtcctcc actataaact gccaacgata caatagcatt ccaacatgcc acgtt 355

<210> 7175
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7175

ttctatgtca tctntaaata aagatctggt ggtaaagacc ccaactagtg gttntgtgtt 60

aacttgtaat gtgtatttaa attgtcttgt ggaaattttt agtagaacat tcttgattga 120

tctgatttgt ttgcctttga accaaattga tgttattctg ggaatggact agttatcttc 180

caaccatgtc ttgttaaatt ggtttaataa aaatgcagtg tttgatgatt ctggagtgag 240

taaggatagg atgtttatct ttgccaacca agttgtgaca tctttaaaag aagatgctta 300

agtctacatg atcatgtcta acctanaagt agagacaaag gtttccatgg gtgacctccc 360

tattgtcaga gagtttcctg aagtgttccc taatgata 398

<210> 7176
<211> 413
<212> DNA
<213> Glycine max

<400> 7176

ttaacaacac agaccattgt tgtaaaattt atagtcattt ggttgcctgt taactcaaga 60

taatagatac acaacccaca tgtttcaagg agctgagtga ttttctcatg caactgcaaa 120

gataattgaa agaatatcat ctgactgaat ttctaaaagc atacaaatgc ttttcccctc 180

acaaggaaag gtaaacaagg aaatcagtca gttaaatatg ccatacttgg gtcctgcaga 240

cattgtccga caattctcag gagtacagaa ctctgtaagg gtaccataaa gcagattcac 300

ctgattgaag aaatcaacag ctgtaatgca tgaagaagaa aaaaagaagt cagtttactg 360

catttcagaa ttgtatgaat tatgaatata tagttgagga aactagagaa taa 413

<210> 7177
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7177

aacctttgct nnttttgcta gactagaagc tataagaatc atgctttcct ttgctactca 60

taaaaatata aagttatttc aaatggacgt taaaagtgct ttcttaaatg gctttattga 120

agaggaaata tatgtcaaac aacctcttgg gtttgaagat catactcttc cagaccatgc 180

tttcaaactt aaaaaagctt tgtatggtct aaaacaggaa ccacatgctt ggtgtgacag 240

actgagttca tttctcttag aaatggtttt attaaagtca aagtggatac aactctttct 300

aaatgagaag ttggcaaaga tttcattata gtccaaatgt atgttgatga tagtattttc 360

gaagctacta atgaatctct ttccaagact atntttgatc tgatgaagag tgaattccga 420

atgagcatga tgggagaac 439

<210> 7178
<211> 379
<212> DNA
<213> Glycine max

<400> 7178

tctcagatcc ggtcatggaa agacttggca actgccttaa ttatgcagta ccaatacaac 60

acggatatgg ctcctgatcg aaaccaactt cagagcatga ccaagcggga acatgagtcc 120

attaaagaat atgctcatag gtggagagac ctagcagccc aagtcgtccc gcccatgact 180

gaaagggaga tgatcacgat tatggtagat acgttgccta cgctctacta cgagaagatg 240

ataggatata tgtcggctaa ctttgtagac ctcatcttcg ctgaagaaag aatcgtgtcc 300

ggactaaaaa aaggcaagtt tgaatatgct ttcaacgttg cccccaacaa caatagaaga 360

acctcagtgg tggacacac 379

<210> 7179
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7179

gcgcataaca cgncgagaag cccgaaanna aacaacgaaa gcccgngaga aanncaaang 60

ggcataaccn ccgacacgga cggccgaanc aggcaaanca canancgaga cgcccaaaan 120

ngaacaacgg aagctcctga gaaattcaaa tgcttataac atatagtgac actcgaaatg 180

tccgattcaa gcttataata tatcgatacg ctcgaaataa aacatcgaaa gctctcgcga 240

aatttaaatg ggcataactc ttcacacgga tgtccgattc ggacgcataa tatgtccaga 300

gggctcgaat tgaacaacgg aagccctcgt gaaattcaaa tgggcataac ttttacactg 360

a 361

<210> 7180
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7180

ttgagccaat tcaaacgaca acaacggtgt ttctcgaaat antttattga ggcccataat 60

atatcgagac ggtttatatt gaatgttgaa tctctgagca aattcaaacg acaatagctt 120

tatactcgga cgtctgattg agtgccgtaa catatcgaga cgctcgaaat tgaatgttga 180

acctcttgag acaattcaaa cgacaataac ttcttactcg gatgtctgat tgattcccgc 240

aatatatcga gaccctcgta attgaatgtt gaagccctga gccaattcaa atgacaatag 300

atttttactc ggatgtctga ttgagtcccc gtataatttc aggacgctcc aaattgaat 359

<210> 7181
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7181

ntgagcaaat tcaaacgata ataactnttg actcggatgt tcgattgtgt cccgtaggat 60

atcgagacgc tcgtaattga aaacggaagc tttgagaaaa ttctaacgac aataactttt 120

cactcgaatg ttcaattgag tcccgtagga tatcgagacg ctcgtaattg aaaacggaag 180

ctctgagaaa aatcaaacga caataacttt taactcgaaa gtcctattga gccctgtaat 240

atatcaagac gctcgaagtt gaaaacggaa gctctaataa aagtcaaacg acaataactt 300

ttgactcgga tgtccgattg agtctcgtaa tatatcgaga cgctcgtaat tggaaacgaa 360

agctctgagt ataatccaac cgacataact tttaactcgg atgtgctaga tgaatcccgt 420

atatatcga 429

<210> 7182
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7182

agatactaag ctatgttaaa ggataaataa ggaaaataaa aatttttat taaaatngaa 60

ctcataatca tttattcata aaataggcaa taaatcacta actcacttgt ttaccttaat 120

taacaacttt aacattattt tttatgtatt attagtctag tgttattaat ttttttttcaa 180

attatcaaat tttataaatt aaaaatattt aatatataaa tctttttaat tttactttat 240

atcattttac attttttat tttgaatagt ctacatattt ttatttttac tttaccaatt 300

ttaattaaat ctcataaatt aatatgtaat tatttacatg atttttttaa ttcattttaa 360

tatacaaatt attcttactc taattattaa cataaaatta ttcatggaca agacaataaa 420

acacctgttt tgttctgtag ctatatta 448

<210> 7183
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7183

tattctntat ctagagtagt tgagcacaac aacttactac tgacatatat tcgactttag 60

tagcggacaa tgtagttgag ccttgcatct tgcatattca tgttactaag gtagcaccga 120

taaagtaata gcttccacta gtgctttttc tttcaacttt atcaccgaca tagtcaacat 180

cataatagct tgtaagtctg aaactttctc ttctttggaa cataagacca agattagaag 240

ttccaattaa atatctacaa gatatgttta atattagtta ggtgaacttc cctttgttct 300

tattgaaatc ttgcacatag atgaacattg aacataatat cataaatgga tgcagggaga 360

tagaccagtg agttgcatcc a 381

<210> 7184
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7184

tataaagaaa aatgatggca tgattttaac ccaatcacac tatgttgaaa atctgttgaa 60

gaagtttaat tattttgatg tgaaacctgt ttctactcct tatgactcat ccatcaagct 120

aaagaaaaat ttgggtaaag gaatttcttc acataaatat cctcaaatta tcggttcttt 180

gttgcatttg acaaacttct ccaggcctga cattgcatat gcagttggta gattaagaag 240

gtatactaat aatcctgatc attctcattg gattgcatta caaagagttc ttagatactt 300

aaaaggaacc atcaattatg acattcatta tacatcgttt cctgcagtaa ttgaggcgtt 360

tagtgatgca nattggattt ctgattctga tg 392

<210> 7185
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7185

tgccaaatgc tctattggct gatgagttgg tccatcctct ctaagtccaa tcgaatcatg 60

agtcatcaca taaataactc caacttcaca cagtgcagaa atccttatgg cagctctcat 120

gtagtcagtg aagacaaagg gcatttagat tttgctgaaa caaatttctt gtagcatctg 180

tagggctttc tggagcgtat gtctgaaagt tgaaatttaa ttagaagggt agtcaataat 240

ccagaaacaa atgatggaag tcaagtttta tttatcttaa aagtttgaag gctatacatg 300

catgaagcaa aaagatagat gatgagtgaa gatgcaatgt acttaatatg aattntaact 360

gtaattagga aagttaatga ttataacaaa ccatggaaac gaatcaccac tattcagtan 420

naatgggata cacatcattc 440

<210> 7186
<211> 410
<212> DNA
<213> Glycine max

<400> 7186

agcttgctcg tcttgctgat atttatcatg ttgacttttc tgatgatgac cgaggaacaa 60

ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct ttttccactt 120

gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180

cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca gcatccgttg 240

aaagagcttt ttcagtaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300

tgtggttcaa tgacttgatg gtgtgttaca ccgagcggga gatattcaag tcacttgatg 360

atattgatat tattcgaaca tttaccgcaa agaagtctcg gaaaggacac 410

<210> 7187
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7187

ctaataaaga gcatttaaag aaaataattt tataatctct attgatatga aatgacaaat 60

gacagcaata atatatgctt ttgttttcca ttgtctaaca atgacttgta gtttaaatat 120

gaaaatatat attaaatttc attttctctt aatgtattta aaataaattc atttttgttt 180

cacaagaaga tttgaacatg ggagagatgg gagattaata agaaaaaaaa tcctcatttt 240

ccttccatta tccttattat tattgttaat atagagatca taaatatttt ttttatcaaa 300

aatcatcctg caataaaaat attagttaaa ttaaaacaat tttataccca ttgatgatgg 360

tcagtcaatc cattctcctt atcataaatc tttcaaaaga tattagnaac atttttcctt 420

ctttgatac 429

<210> 7188
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7188

agcttccatc ttanaccaaa taatgttaac ttataaattt catggtagtg agcaatgcaa 60

gaacaaatga taatgagtct caactcttac tacacaccag gctaaaaaca acaagacagc 120

cttattttat caacacttgt tcagccaaca cctattatat gtccattttt aaaattaact 180

ctagaaaaat aacttatttt actataaaga cctagagtaa acccctatta atgaaacaca 240

actattggca gaaaaaaccg ttttaaggac aaaaacctga ttaacagctt caccaaaagc 300

cacaaatgca aactccccac caggagcaag aagtagacca actctgatgg cagaaatgag 360

tgaaatccca aacattctac ctatcaaaca aaccaagata gtcttgccac atattaagag 420

tcctagtgtg cccgtaatga ct 442

<210> 7189
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7189

tatatatcga tacgctcgaa ataaacattg tacactttcg aganaggcaa anggccggaa 60

cttttcacac ggatgtccga gtcgggcgca taataatggg agaggctcgg aattgaacaa 120

cgaaagctct tgagaaattc aaatggacat aacttttcac actgatgtcc gattcatgat 180

tatactatat cgatacgctc gaaattaaac atcggaagct ctcgagaaat tcaaatgcgc 240

ataactgttc acacggatg 259

<210> 7190
<211> 413
<212> DNA
<213> Glycine max

<400> 7190

tatcagaagg ggaatggtaa aataccacct ctttctgata ttatgaaggt ggcaaagtgt 60

ttcttttgca agaagaaggg acacatgaaa aagaattgcc ccggattcca gaaatggctt 120

gagaagaaag gtaaatcaat ctcattagta tgttatgaat ctaatatggt tagtgttaat 180

attaacacct ggtggattga ttctggatct actattcata ttgcaaattc tttacagggt 240

atggaaaacc taatgaaacc agtgggaagt gagcaaagca ttttatcaag caataagcta 300

ggctcacatg tggaggccat tggaacttgc attctgacta taagtagtgg ctctatttta 360

aaattagaaa ggacttttta tgtaccaagt ttttcccgaa acttgatttc tat 413

<210> 7191
<211> 421
<212> DNA
<213> Glycine max

<400> 7191

tagctagata gaatgtcaaa gatggaagat actttaacat tgtttatgca agtatccatc 60

gcaaaccaaa agaacattga tgcttctgtt aaaaatctag aagttcgagt tggacaactg 120

gctaaagagc tatctgaact tggaagtgga tctttctcag caaccacaca ggtcaaccca 180

aaggaacatt gtaatttaat tacaacaagg tgggggatta tggttggttt gaaggataat 240

gatgagaaaa agaataaaga aggagttgaa aaagaaaatg aggaaaaaga tgaagtggta 300

actagtgaaa aagtggtaag tgaagaagag aaaaagaaat caaatgaaca aaccactgat 360

aaaggtaaag ttatagtaaa ccatccacca attgagcatc ttccttatct gcatgctcca 420

t 421

<210> 7192
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7192

cctcctcaac tcatctgtca acttcctaat atgactattc atgtattata ttngtttaca 60

ttnttgtata tatagtaaca agtctggttt gttttggcct tcgattattt caatttttcc 120

attgttggtt cctgcacctt gtgtctataa ttatttgttt gcttatttgg ggttcaggct 180

gatgccaaga ccgatgaagt gtactcgcaa atgaccttgc aacctctgaa tcttgtacga 240

taagtgataa cactgtctta acttttcatt gataactagt gttattgctt ttgtagttat 300

ttaggtttta actaagaccg tgtttgtggt aagaccaaaa ggaggcatac tatccagcag 360

agctggtcac cccaagtaaa caaccaacaa actatttcta caaaactttg acaatcagtg 420

gcgcaagcac tcatgggg 438

<210> 7193
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7193

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ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcatcttct ttggaggata 180

gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300

agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttt gcagtcagtc 360

ccttcaccag cagtactttg ttcagactan gaagtccatc atggactagc tttcccattc 420

cagtgatctt tc 432

<210> 7194
<211> 314
<212> DNA
<213> Glycine max

<400> 7194

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cttgcactga attgttggga gttggaagcc atcttctcaa tcaaattcct agcctcagca 120

ggggtcatat caccaagagt tccaccactg gcagcatcaa tcatactcct ctccatgttg 180

ctaagtccct catagaaata ttgaagaagg agttgctcat aaatctggtg gtgaggacag 240

cttgcacaca atttcttgaa tctttcccag tactcataca agctttctcc actaagttgc 300

ctgatgcctg aaat 314

<210> 7195
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7195

agctgggntc ttcgggtttc tattgtcgct tcaccatnnn acacaggaac attgattaaa 60

agatgtatgg acaagaattc caacattaga acctaccctg atataggtga acttgcattt 120

ggaaagacag gaaggctaat agtatcagtg tccatgtaca ccgagctcta cttagtttcg 180

atagggttct tgattctgga aggtgataac ttacctttt ccgtttcaaa ctcagataca 240

taacaaaatt aggaatgtat tgtatggcct actattttat ttcttcaaga ctattgcatt 300

gcttattgct tataaaaggt agggaagggt tgctgttagt cttttcattt aaataccaat 360

atgatgcaca tcattttaac tatgcaacgg tgcctggata gataattgag tcatttggta 420

ctgtataaaa aa 432

<210> 7196
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7196

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gcaggttgaa agtcttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120

atttacctgn gttaatttta tcagagagaa atcagaaacc tttgaagtat tcaaagagtt 180

gagtctaaga cttcaaagag agaaagactg tgtcatcaag agaatcagga gtgaccatgg 240

cagagaattt gaaaacagca ggttcactga attctgcaca tctgaaggca tcactcatga 300

<210> 7197
<211> 417
<212> DNA
<213> Glycine max

<400> 7197

agcttcaagg atgaggacta cccttgtttc tctgacatag caaactttaa gggcacagga 60

caaccaccag aaggtatgca atttcacgag agaaaaaggt tcttctgaga agccaccagg 120

tatgtttggg atgaccttat tctttttcgt attggtgatt gcaatttgtt aaggtgatgt 180

gtaacatagg gagaacaaac taacatactt tggcattgcc atgactcacc atataaaagc 240

cacttcaacg aagaaagaac aactgcaaag atccttcaag cctgattcta ttggcccata 300

ctcttcaaag atgctcataa gcatgcacga tcatgagaca actgtcaaca aactggaaac 360

atatccacac ggcatgaaat gccattacag aacgtgtagg aggtaaaagt ctttgat 417

<210> 7198
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7198

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cacaaatttt ccccctttat acattntttc cccaacaatc atggggtttc aaaaaagttg 120

aagcacaaat aaaatgaata aatgaactta catcgagtat aaacaaaagt gccataattg 180

gaggagctgc atatccaagc ccttccaaaa tggcatctaa cgatagatgg aaaccaccca 240

gagagtcaat tcccgtgatt gaacatataa aactccccgc aacagccatg gcaccatata 300

tccctgaaac aaagcaattc catcgcaaag ttcaactcac agtaaacaaa atcaagattc 360

ccattttccc aagtggaaaa ttcattgatt tgattgaaga gagtaagttt ttt 413

<210> 7199
<211> 390
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 7199

aaccagaata attggcattc catactttgt caggtctaat aaaaaacaag atataaactt 60

ctcattattc ttaggctgtt gaagatagtt aaaaattgaa cccttaagcc agtgagtgga 120

agcattataa gcatttagga aacttaccgc tgtttctacc catcaacttg acaacaccta 180

tgccattttc tacactttca gcttcaacat gtgctgcatt tatagctcgt tgagcctcct 240

caacagcagt gtcaaagcca aaagacttat caataaccta ttaagcaaga gacagcagaa 300

gaaattacca attaatgatg ctaatggngt ttaaattatg agtttaaagc cacaatgtag 360

aaggaaaana aaaacttact ggaatatcat 390

<210> 7200
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7200

aaagttgaaa ctgtgtgaca gngncctcct acctacctgt caccggaaag ggacagagac 60

gacgcagatg cactctccac gtcaaaaaac gacgccgtcg aatacgaatg aacataaccc 120

ttaaactccc catctccccc gccaccttct ttcttcccat cccccacctc cggcggcgcc 180

acctccctct ccatgtacct caccacctgc ctcatactgg gcctctcttc cggcgcctcc 240

gcggaacaca acaaccccac cttcaccacc aacaaagcct ccacctcatc aaacacccca 300

cccaacctac ggtccaccac cgccaacacg ttccccacgc gccaccgttc ccacacccac 360

tccaccagca caagctcctc cggctgcgcc ttcacctcaa tcggtctcct cccacacacc 420

acctacaaca ccaacgccc 439

<210> 7201
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7201

gataaatctg ccatatattc agccggtatt aggcctcatg agctntctca tattcagcaa 60

cttactggat ttagcttggg tgacttccct tttagatact tgggtgttcc ccttttatca 120

tctagattaa atgtatgtca ttatgttccc ttgctttcca agattactag cctgattcag 180

ggatggagca agaagtcttt atcttatgca ggtaagttag agttgatcag agcagttatt 240

caaggaattg tgaagttttg gatgaggatt ttttctttgc cgcaatctgt tctggaccag 300

atcaaaactt cgtgccgtaa ttttctgtgg ggcanagcgg atattggcaa aaacaagtcc 360

ttggntgctt ggtcagtagt ttgttctcc 389

<210> 7202
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7202

ggaattcatt tagatgtttc cttatatgat caagtacaag aatggtaagg aaaacatagt 60

ggttgatgct ttatctagaa ggtatgtttt tcttacttct ttgcaaacta aattgcttgg 120

ttttgagttt atgaaggact tgtatgctaa tgattctgaa tttggcaaag tatgggattc 180

ttgctctaaa catgttttta ggaactatta tagatgttca tgtttcaaaa aaaaaagttg 240

tgtgtgtctg tgttccttgc atgaaatgtt agtttgagaa atcatggtgg tggaatgatg 300

ggacattctg gtgtgaaaaa gactntataa attctggata agcattttta ttagcctagc 360

atgaagcatg atgtgcaacc tat 383

<210> 7203
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7203

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gaaggagaag gaagaaagtc aaggaaatga aagaagtcat tgaggccgag gtagaggttg 120

aggtcacggt cgaggatagg ttggaggtgg caatagtgta cgaggttcaa atttcatcaa 180

caatagttac gagaaatgaa aaagctcaag agaatgtgga aaaggctata caagcacaag 240

gtatgataaa tctcaaactc gatgttataa atgtcaaaag attggccact atgcttcaaa 300

atgtagattc gccaagaata gagttgagga ggagactaac tatgtggagc aaaaggatga 360

gaagtttcaa atagtgctcc tagagtgtgg aagtaatgaa ggtagccaag aaaacacatg 420

gtaccttgac act 433

<210> 7204
<211> 344
<212> DNA
<213> Glycine max

<400> 7204

agcttgaagg taaactagat gccttggtta tcctgttaac ctaactggcc atgaataaaa 60

aatctgcact tgtcgctaga ctctgtggtt tatgttcctc tgccgaccac cacacagacc 120

tttgcccttc tgtgcaacaa tctgaagcaa ttgaacagct tgaagcttat gctgcaaaca 180

tctacaacag acctcctcaa ccttaacagc aaaatcagcc acaacagaat aattaagacc 240

tctccagcaa caggtacaat cccggatgga ggaatcatcc caaccttaga tggtcgaatc 300

cttcacaaca gcagcagcaa caacaacaga cttattttca aaat 344

<210> 7205
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7205

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tgctaccagc ttaacattta cggccagaaa attgattgca gtagtgaaca ttgttgaaat 120

caggaactgg acactatttc caaaaggaaa atgcttcaat ttcaaattta caatttttt 180

ttaaacctca ttgctacctt aaatttttt ggtgccatta acaagttgat ttcattatgt 240

ttataccatt acagttgtga tcataaatga aagttttacc tctgtggatc aacttcaggt 300

tttcccattt ggttcttttc ctctaaaaac ctatcttcct gatggagata tcgacttgac 360

agctcttagt catgaagatg aagaggagga tttggtacga gcagtatgca atatacttaa 420

nagtgaagat gact 434

<210> 7206

<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7206

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cccaaacaag aatggtcagg ctcacaagtt ctcccaaaga gaatgcaaaa tatgcagcgt 120

tgaagtaggt agagagcttc tttaattgct tggggttgtc ttggtcgaat tggtcgcctc 180

cgtaagcaac catgtttggc ttgacacaac cactacctaa tgccaccaag tacagggcta 240

cgaagaatat catggtcttc atgccctttg cttctgagca ctgttctcct aaatcgttga 300

tattgcatgg gggtggcttc aactgaggaa catgagcttg gacagaaagc aatatgaaac 360

cctgtaaaca taatattatt tgtatatata tgtgtgaagg ctgtctaaat agtgaataaa 420

aagtaataga atgagt 436

<210> 7207
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7207

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ggaatgatgt tgctacaatt tgtctgctga aaaagcactt attcatccac tttcatacca 120

aagaccttgg gtgtgtaaaa tactttcttg gtattgaggt gactcaatca aacgaaagca 180

ttgttatttc tcaaagaaag tatgctttgg ataggttttt ttccagcaat acactccatc 240

tcccctattt gctcaaaata cacctctttg tatactaata cccaaaatac aacttttttct 300

caccttttgag aagttgagac tggccacccc gacttctgta cgacgcgccc tttttaaatt 360

taatttttaa atttatttta aatntatgtt t 391

<210> 7208
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7208

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aacagcaaga tccaccactc cttcagttgg tctgcccagg tatttgttga tcacagcagg 120

ggagaatcta acacattttc ctctgacaaa cactttctga taatcatcac tttttctgtt 180

tgttatgtca gagggaatgc tgacaatgaa ttcccttact agactttcat agcaatcgcc 240

caacttggtg acagttttca tcagtccagc agccttgatg aggtccatga tctccttgca 300

gtccaaggca tttcttccca gttctctttc taaagcaagc cttcgttgat atacaaattt 360

ccacctttca acattgccaa tggagtggaa tgagatgttg tccaatggtg catcanggac 420

attttcaggc acctt 435

<210> 7209
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7209

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gtcatgttgt tcanatgttt ggactaaaac gaagtgaagc tgatcactct gtattntact 120

atcatacatc tcctggaaaa tgtgtctatc taatggtcta tgttgatgat atagtgatta 180

cagggaatga tactactaag attgtccagc tgaaagagca cttattcagt catttccaga 240

ccaaagatct gggatctttg aagtatttcc ttggtattga agtggctcaa tcaggagatg 300

gtattgtgat ttctcagagg aagtatgctc tggatattnt agaagaaaca ggtatgcaga 360

actgtagacc tgttgaaagc cctatggatc ctaatttgaa gctcatggca gatcanagtg 420

aagcttatcc tgaccccgag agat 444

<210> 7210
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7210

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tatcatgttc atctccagcc caatcattat cactgtaacc tacaagctta tagtttttac 120

ttgttgagaa ccataaccaa agatgattgt tcctttgata tagcaaagaa ttcgttttgc 180

agccttgtgg tgagtagtgg ttggagtctc catgtatcga ctaatgagtc cagtagcata 240

taggatgtct ggtctcatgc acgtcaaata tcgcaaacta cccaacaaac tctttaaatn 300

tgtagcatcc acctttttg ctttgtctaa ctttgataac ttcattttgc actccaccaa 360

tgttccaatg ggcttgcagt tatccatctt gaatttcttg agcatctcct ttgcgt 416

<210> 7211
<211> 375
<212> DNA
<213> Glycine max

<400> 7211

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cacagcaggg gagaatctaa cacattttcc tctgacaaac actttctgaa aatcatcact 120

tattctgttt gttatgtaac atggaatgct gacaatgaat ccccttacta gacattcatt 180

gcaatcgacc gacacggtga cagtactcat cagtccagca gccttgatga ggtccatgat 240

ctccttgcag tccaaggcat ttcttcccag ttctctatct aaagcaagcc ttcaatgata 300

tacatatttg caccttttcaa cattgcctct ggagtggaac gatatgtcgt ccgatggggc 360

ttcacgcaca ttctc 375

<210> 7212
<211> 417
<212> DNA
<213> Glycine max

<400> 7212

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ggtgctaaac tgctgggagt cggaagccat cttatcaatt aaatatctgg cttcaccaag 120

agtcatgtct ccaagggctc caccactggc agcatctatc atacttctct ccatattact 180

gagtacttca taaaaatatc ggagaagcag ctgctctgaa acctgatgga gacggcaact 240

ggcacatagt tctttaaatc tatcccagta ttcatacagg ctctctccac tgagttgtct 300

aatacctgag atatacttcc tgatgactgt gatcctggaa gcagggaaaa tgttttctaa 360

gaatactctc ttcaggtcat cccagctcgt gatggacctt gggcaaggta atacaac 417

<210> 7213
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7213

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tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactnt 300

gtgaagttta cattgaatcc ttcatcacac aactgactga tgctgatcaa gtttgcagtt 360

agtcccttca ccagcagtac tttgttcaga ctangaagtc catcatggac tagctntccc 420

attccagtga tctttccttt 440

<210> 7214
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7214

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gcctcctatt tttaatggag agggttacca ctactggaaa acccgaatgc aaattttcat 120

tgaggcaata gacctaaaca tttgggaagc catagaagtt ggaccttatg tacccaccat 180

ggtagctgga aatacaacaa tagagaaacc tagagaagag tggtctgaag aagaaagaag 240

attagtgcag tacaatttaa aggctaaaaa tatcattact tctgccctag gaatggatga 300

atattctagg gtgtcaaatt gtaagagtgc taaggatatg tgggacactc aacaagttac 360

acgtgaggga gcaactgatg tcaaaagatc tangataaat actctaactc atgagtatga 420

atta 424

<210> 7215
<211> 433